

USAREUR Regulation 350-50

Training

**COMBAT
MANEUVER
TRAINING CENTER**

**Headquarters
United States Army, Europe,
and Seventh Army
Unit 29351
APO AE 09014
4 August 1994**

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Combat Maneuver Training Center

For the Commander in Chief:

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Chief of Staff*

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Applicability. This regulation applies to USAREUR units and agencies and to United States Air Force and United States Navy elements taking part in CMTC exercises.

Supplementation. Commanders will not supplement this regulation without Commander in Chief, USAREUR (AEAGC-T), approval.

Interim Changes. Interim changes to this regulation are not official unless authenticated by the Deputy Chief of Staff, Information Management, USAREUR. Interim changes will be destroyed on their expiration dates unless sooner superseded or rescinded.

Suggested Improvements. The proponent of this regulation is the Office of the Deputy Chief of Staff, Operations, HQ USAREUR/7A (AEAGC-T, 475-6417). Users may send suggestions to improve this regulation on DA Form 2028 (Recommended Changes to Publications and Blank Forms) to the Commander in Chief, USAREUR, ATTN: AEAGC-T, CMR 415, APO AE 09114.

Summary. This regulation establishes USAREUR policy for training at the Combat Maneuver Training Center (CMTC) at the Hohenfels Training Area.

Distribution. Distribute according to DA Form 12-88-E, block 0334, command level B.

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***This regulation supersedes USAREUR Regulation 350-50, 29 August 1991.**

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1. PURPOSE

This regulation prescribes USAREUR policy, objectives, and responsibilities for developing and operating the Combat Maneuver Training Center (CMTC) at the Hohenfels Training Area (HTA).

2. REFERENCES

Appendix A lists references.

3. ABBREVIATIONS AND TERMS

The glossary explains abbreviations and terms used in this regulation.

4. MISSION

USAREUR has the mission of providing combat training center (CTC) methodology and facilities. The CTC methodology and facilities are to provide USAREUR units with tough, realistic combined arms and services training on a complex battlefield. The CMTC is a facility where

a. USAREUR units can increase levels of collective proficiency in combined arms and services warfighting skills, with, but beyond levels attained at

(1) Home station (HS) local training areas (LTAs).

(2) Maneuver rights areas (MRAs).

(3) Battle simulation centers (BSCs).

b. The ability to train individual soldiers and leaders to execute AirLand Operations doctrine on a joint, complex battlefield is improved. Ideally, close combat (heavy) brigade combat teams operating with their assigned, attached, and slice (glossary) units will receive an opportunity to train at the CMTC every 12 months. Combat support (CS) and combat service support (CSS) units will

participate in CMTC training as part of the combined arms and services team in support of maneuver task force (TF) and brigade operations.

c. Objective and subjective information and insights can be collected on individual, leader, and unit performance of selected mission-essential tasks. Collected information will be used to

(1) Improve USAREUR warfighting training.

(2) Support DA and United States Army Training and Doctrine Command (TRADOC) initiatives to improve doctrine, tactics, materiel, and organizations.

(3) Help USAREUR relate resources to readiness.

5. CONCEPT OF OPERATIONS

a. CMTC training is the capstone event of the USAREUR training strategy for maneuver battalions, field artillery battalions, brigades, brigade slices, and division cavalry squadrons (USAREUR Reg 350-1). Units training at the CMTC will conduct operations on a complex battlefield. This environment will encourage commanders to rely on the full range of combat multipliers (glossary) to ensure success. Civilian populations, regular and irregular forces warring factions, and media will exist on the battlefield throughout the rotation (glossary). Their activities will involve the unit before, during, and after standard high-intensity missions. The CMTC will challenge units to deal with the realities of the modern battlefield while concentrating on warfighting. The CMTC provides a realistic, efficient, collective training center for USAREUR soldiers, leaders, and units that

(1) Allows soldiers to practice the skills necessary to survive in combat.

(2) Permits soldiers and leaders to learn from mistakes without loss of life.

(3) Provides objective observations and feedback on unit training effectiveness.

b. CMTC training is a means by which a unit's chain of command assesses the unit's readiness for war. The chain of command is provided with accurate, comprehensive, objective information on a unit's ability to fight and win on a complex battlefield. The information covers the entire range of conflict.

(1) Units will deploy to the CMTC and execute training based on the four pillars of the DA CTC Program (c below). The training will use tactical scenarios developed with the Commander, CMTC, to meet specific training objectives.

(2) The chain of command will receive a take-home package (THP). Leaders can use the THPs to reassess their sustainment (principally HS) training programs.

c. The following are the four pillars of the DA CTC Program (AR 350-50):

(1) A group of proficient, impartial trainers called observers and controllers (OCs) who

(a) Are knowledgeable in doctrine and tactics.

(b) Are skilled at providing feedback.

(c) Have completed a TRADOC certification course or the USAREUR TRADOC-approved OC Certification Program.

(2) A realistic opposing force (OPFOR) that is proficient in threat doctrine, uses appropriate force ratios, and is motivated to fight and win.

(3) Superior training facilities that replicate the conditions and stress of combat by using the Multiple Integrated Laser Engagement System (MILES) II, simulations of battlefield effects, simulated area weapons effect-radio frequency (SAWERF), and an instrumentation system. The instrumentation system

- (a) Unobtrusively collects and records battle events for replay and training analysis.
- (b) Provides feedback to soldiers, leaders, and units that reinforces learning and develops proficiency.
- (c) Records events using audio and video mediums, and links these events to specific points in the battle.

(4) A base operations (BASOPS) organization staffed and funded at a level that provides full support to permanent party organizations in garrison and in the training environment. The primary purpose of the CMTC and its supporting BASOPS organization is to create a multiecheloned, realistic training environment where

- (a) The individual soldier is taught to fight and survive.

(b) Commanders and staffs may train at the same time under realistic conditions to coordinate and synchronize the combat forces under their command and exercise their responsibility to fight and win.

d. The Commander, CMTC, will

- (1) Provide observation and feedback on performance to soldiers and elements of the training units according to doctrine.

(2) Use the instrumentation system to record and play back objective and quantifiable measures of performance for the unit.

e. OCs, in coordination with the unit chain of command, will

(1) Conduct a thorough examination of unit performance after each exercise mission is executed. Performance will be measured according to doctrinal standards.

- (2) Write and conduct afteraction reviews (AARs) on their findings.

f. After units complete CMTC training, the Commander, CMTC, will provide

- (1) A THP to specialty platoons, company teams and troops, TFs and squadrons, and brigades. The THP will include

- (a) Audiovisual records (c(3) above) and AARs.
- (b) A written report on individual and collective strengths and weaknesses.
- (c) Specific, quantifiable unit performance information.
- (d) Suggestions for developing HS training programs.

- (2) Feedback to the Army Lessons Learned System (AR 11-33 and USAREUR Reg 525-5) to track performance trends.

(3) Officer and noncommissioned officer (NCO) professional development classes on CMTC lessons learned. Classes will be provided as requested by training units.

g. The primary activity conducted at the CMTC will be CTC-type training that centers on the battalion TF and cavalry squadron. Only the Commander, CMTC, may approve use of CMTC facilities (such as ranges; nuclear, biological, chemical

(NBC) chambers; military operations in urban terrain (MOUT); obstacle courses) for any function other than this principal mission.

h. Developing the CMTC is an evolutionary process. Until every CMTC component project is completed, units will be required to augment the CMTC with personnel and equipment from their internal resources to conduct realistic collective training. Corps and division commanders will support the CMTC with the augmentation and assistance required to successfully execute training.

6. RELATIONSHIPS

a. The Office of the Deputy Chief of Staff for Operations and Plans (ODCSOPS), HQDA, is the proponent for the CTC Program. The ODCSOPS (DAMO-TR)

- (1) Establishes resource priorities.
- (2) Allocates resources for CTCs.
- (3) Approves CTC concepts of operation.
- (4) Provides planning guidance to TRADOC and USAREUR on developing plans to support CMTC operations.

b. TRADOC, in coordination with USAREUR and the United States Army Forces Command (FORSCOM), develops and updates concepts of operations that transform current planning guidance into HQDA master plans for operating and developing CTCs. Details of the relationship between USAREUR and TRADOC are in a memorandum of understanding (MOU). The MOU will be revised each year to ensure it applies to current training concepts and resources. TRADOC also

(1) Provides information and guidelines to USAREUR on CTC training, assessment, and feedback. This information and guidelines will include application of emerging doctrine, appropriate task lists, realistic training conditions, objective standards for evaluation, force structure for training, and unit and Army feedback requirements.

(2) Helps in the training of the Operations Group (OPSGP), CMTC, to

- (a) Assess the performance of training units.
- (b) Collect information.
- (c) Operate components of the fixed instrumentation system.

(3) Provides plans and resources, in coordination with USAREUR, for the CMTC to have a realistic, multidimensional, complex battlefield for combined arms and services training.

(4) Ensures training units are assessed according to current Army doctrine and standards.

(5) Develops, coordinates, and executes memorandums of agreement with other services to ensure joint support of Army training requirements is provided at CTCs.

(6) Disseminates relevant lessons learned throughout the Army.

(7) Responds to HQDA and USAREUR requests to collect, analyze, and disseminate specific information and lessons learned from CTCs.

(8) Provides, through the Combined Arms Command (CAC), a point of contact (POC) with other major Army commands and services for actions concerning CTC development and operation.

c. The United States Army Materiel Command (USAMC)

- (1) Provides wholesale logistic support according to USAREUR requirements and HQDA policy.
- (2) Analyzes information and publishes logistic lessons learned.
- (3) Develops and acquires training aids, devices, simulators, and simulations (TADSS) to support realistic CMTC Program training in coordination with USAREUR and the training devices project manager.
- (4) Provides logistic assistance office representatives to support units training at the CMTC.

d. A CTC general officer executive committee (GOEC) will review

- (1) Concepts for the CTC Program each year and recommend action to HQDA (DAMO-TR). When approved by HQDA, these concepts will become the basis for developing HQDA CTC 5- to 10-year growth and development plans.
- (2) The CTC master plan each year. After reviewing the plan, the GOEC will recommend approval of the plan and resource priorities. Once approved by HQDA (DAMO-TR), this plan will be incorporated into program objective memorandum (POM) submissions for funding once every 2 years.

e. A USAREUR general officer steering group (GOSG) will

- (1) Oversee CMTC operations, concept development, and resources.
- (2) Meet when called by the Chief of Staff (CofS), HQ USAREUR/7A.
- (3) Be chaired by the CofS.
- (4) Be composed of
 - (a) The Deputy Chief of Staff, Personnel, USAREUR.
 - (b) The Deputy Chief of Staff, Intelligence, USAREUR.
 - (c) The Deputy Chief of Staff, Operations (DCSOPS), USAREUR.
 - (d) The Deputy Chief of Staff, Logistics, USAREUR.
 - (e) The Deputy Chief of Staff, Engineer, USAREUR.
 - (f) The Deputy Chief of Staff, Resource Management, USAREUR.
 - (g) The Deputy Chief of Staff, Information Management, USAREUR.
 - (h) The Deputy Chief of Staff, Host Nation Activities (DCSHNA), USAREUR.
 - (i) The Chief, Public Affairs (CPA), USAREUR.
 - (j) The Assistant Deputy Chief of Staff, Operations (Training) (ADCSOPS-T), USAREUR. (The ADCSOPS-T also is the Commander, CMTC.)
 - (k) Representatives of commanders, USAREUR major commands (USAREUR Reg 10-5).
 - (l) The Commander, 1st Personnel Command.

(m) Representative of the Commander in Chief, USNAVEUR.

(n) Representative of the Commander in Chief, USAFE.

7. USAREUR RESPONSIBILITIES

a. Unit commanders will

(1) Ensure units training at the CMTC never fight on a sterile battlefield. Units must do tasks necessary to be successful on a complex battlefield.

(2) Ensure TFs execute the following tasks during all operations:

(a) Deal with the media and civilians on the battlefield (COBs).

(b) Liaise with local authorities.

(3) Ensure TFs execute the following during operations other than war (OOTW):

(a) Convoy escort/route security.

(b) Secure a facility.

(c) Separate belligerents.

(d) Lodgment security.

(4) Ensure TFs execute the following during high-intensity conflict (HIC) operations:

(a) Movement to contact.

(b) Deliberate defense (for division cavalry squadrons, security mission).

(c) Hasty attack (for division cavalry squadrons, reconciliation mission).

(d) Deliberate attack (night operation).

(e) Refuel on the move (ROM).

(f) MOUT operations (MOUT village or MOUT city).

(5) Provide the Commander, CMTC, with personnel and equipment augmentations to support USAREUR major command units in density. Exclusive Allied unit rotations will not be augmented by USAREUR assets. Allied partnership rotation augmentation requirements will be determined individually.

(6) Identify and recommend to the Commander, CMTC, intertheater soldiers qualified for and requesting assignment to the CMTC.

(7) Oversee requests for exercises with fewer than 2,000 participants in MRAs in the area next to the Grafenwöhr Training Area (GTA) and HTA areas of operations.

(8) Execute required notification processes for exercises with fewer than 2,000 participants in MRAs in the area next to the GTA and HTA areas of operations.

b. Division commanders will

(1) Structure rotations based on a unit training assessment and mission-essential task lists (METLs).

(2) Schedule divisions for CMTC training during designated training densities. Units may use training densities at GTA to prepare for CMTC by taking advantage of opportunities for company and platoon maneuvers and for CS and CSS field training (for example, casualty evacuation, ROM, ammunition transfer point (ATP), logistic package).

(3) Provide mission-essential tasks and specific guidance to the Commander, CMTC, to ensure training conducted at the CMTC is consistent with the unit training program. The CMTC training environment allows division commanders, when required, to "redo" any mission during a rotation to ensure unit training objectives are met.

(4) Schedule battalion TF and division cavalry squadrons for CMTC rotations.

(5) Approve, in coordination with the Commander, CMTC, CMTC-developed TF training scenarios.

(6) Provide personnel and equipment augmentation in support of the CMTC according to appendixes B, C, and D.

(7) Ensure maneuver damage at the CMTC is repaired (incl removing trash and barrier material, filling excavations) before departure. Maneuver damage repair will be coordinated with the Command Sergeant Major (CSM), CMTC.

(8) Report maneuver damage in the MRA on the unit's AE Form 350-22D-R (Master Maneuver Damage Report (referred to throughout this regulation as MMDR)).

(9) Send an MMDR to the DCSHNA (AEAHN-GR) according to USAREUR Regulation 350-22, paragraph 5-7.

(10) Provide the Commander, CMTC, with an information copy of the MMDR.

(11) Ensure unit commanders attend CMTC environmental and safety briefings. CMTC environmental standing operating procedures (SOPs) will be distributed at those briefings.

(12) Ensure brigades in their commands follow the blue force (BLUFOR) milestones in appendix E, table E-2. Failure to follow the milestones may result in forfeiture of the rotation period.

c. The Commander, 1st Personnel Command, will

(1) Inform the Commander, CMTC, of soldiers who meet the qualifications for assignment to the OPSGP as OCs.

(2) Coordinate intratheater transfer requests with the Commander, CMTC, and authorize intratheater assignment according to current permanent change of station (PCS) policy for soldiers in theater who

(a) Meet CMTC selection qualifications.

(b) Request assignment.

(c) Are approved for assignment by the Commander, CMTC.

(3) Ensure soldiers fill authorized spaces according to officer and enlisted distribution plans.

(4) Coordinate intratheater assignments with the Commander, CMTC, according to current PCS policy for intertheater soldiers who

(a) Have completed a CMTC tour.

(b) Request reassignment.

d. The Commander, CMTC, will

(1) Exercise command over personnel, units, and organizations stationed at the CMTC.

(2) Schedule, operate, and maintain the CMTC.

(3) Act on requests to use CMTC facilities to perform any function other than its chartered training function.

(4) Act as approval authority on requests for units, personnel, and equipment that exceed the totals in paragraph 8a or appendix E.

(5) Represent USAREUR on the HQDA CTC GOEC.

(6) Identify personnel, materiel, construction, and funding requirements to support CMTC development and operations.

(7) Ensure training units observe the no-maneuver restrictions on MRA use within the 15-kilometer (km) exclusion zone.

(8) Manage and control training units' use of designated MRAs from the 15-km zone to 50 kms that support the CMTC. (MRAs will be managed by the *Kreis* (county) around the CMTC.)

(9) Establish and execute a visitor control policy.

(10) Provide enough TADSS to training units at the CMTC to support realistic training. TADSS will be provided on a reimbursable basis.

(11) Execute the CMTC management decision package (MDEP) as directed by the DCSOPS.

(12) Establish, in coordination with TRADOC, selection criteria and approve selection of persons nominated for assignment to CMTC.

(13) Provide OC and OPFOR instructions and validations for augmentation personnel to support CMTC exercises.

(14) Be the final approval authority for CMTC scenarios.

(15) Provide technical assistance on and supervision of facilities maintenance and repair.

(16) Publish letters of instruction and SOPs that explain CMTC operations and procedures. These directives will apply to every unit training at the CMTC and ensure unit training is

(a) Safe and effective.

(b) Conducted to objective training standards.

(c) Includes realistic casualty assessments.

(d) Adequately supported.

(17) Establish and execute an extensive community relations program in the Oberpfalz region in coordination with the DCSHNA and the CPA.

(18) Coordinate and approve requests for coverage of CMTC training from media in the Oberpfalz region or media from the local area of the unit in training.

(19) Notify HQ USAREUR/7A of adverse media coverage and media coverage that may generate interest outside the Oberpfalz region or the local area of the unit in training.

(20) Develop a long-range environmental plan for the CMTC that is based on two 21-day environmental break periods. During this time no player-unit activity will be permitted in the maneuver box (glossary). One environmental break period will occur during the spring planting season and one during the fall planting season.

e. The Deputy Chief of Staff, Personnel, USAREUR, will

(1) Be the USAREUR POC for CMTC-related personnel issues.

(2) Establish necessary personnel management policy and procedures for the CMTC to ensure USAREUR-designated personnel requirements and priorities are met for the CMTC.

(3) Oversee quality of life.

f. The Deputy Chief of Staff, Intelligence, USAREUR, will

(1) Advise the DCSOPS each year on OPFOR threats to ensure the CMTC uses an accurate, current portrayal of threat force capabilities on the complex battlefield.

(2) Regularly review AR 350-2 policy, objectives, and guidelines to determine if supplementation is required to meet CMTC needs.

g. The DCSOPS will

(1) Be the USAREUR staff proponent and POC for CMTC matters. The ADCSOPS-T will serve as the DCSOPS executive agent in matters having to do with developing and operating the CMTC.

(2) Prepare a CMTC long-range resource plan each year and coordinate with TRADOC those portions of the plan affecting training and feedback concepts on the CMTC realistic battlefield.

(3) Submit completed plans ((2) above) to HQDA (DAMO-TR) for approval.

(4) Develop and publish, in coordination with TRADOC, an MOU for the CMTC that establishes procedures for operating, funding, and maintaining a CTC environment.

(5) Allocate the force structure required for the CMTC.

(6) Establish priorities for providing CMTC personnel, equipment, construction, and funding requirements.

(7) Develop a comprehensive training concept and strategy that will enable USAREUR units to take advantage of CMTC training opportunities.

(8) Provide requirements to TRADOC for information and lessons learned from the CTC Program.

(9) Develop and publish long-range training rotation schedules to provide for densities (glossary) at the CMTC.

(10) Establish and monitor a CMTC MDEP according to AR 1-1.

(11) Be the liaison to HQDA and TRADOC on CMTC matters.

(12) Provide the authorization for military requirements to support the CMTC according to CMTC priorities approved by the Commander in Chief, USAREUR.

h. The Deputy Chief of Staff, Logistics, USAREUR, will

(1) Be the USAREUR POC for CMTC logistics matters.

(2) Develop a logistics support concept and provide policy and procedures for filling CMTC requirements.

(3) Fill CMTC materiel and equipment requirements according to priorities established by the Commander in Chief, USAREUR.

(4) Maintain the CMTC OPFOR fleet of M60A3s and M113A2s at required operational levels (app F).

i. The Deputy Chief of Staff, Engineer, USAREUR, will

(1) Be the USAREUR POC for CMTC engineer matters.

(2) Program real property maintenance activity (RPMA) funding requirements to support the CMTC.

(3) Arrange prompt acquisition of required Military Construction, Army (MCA), and Army family housing projects identified, planned, and programmed by the Commander, CMTC.

(4) Process stationing actions necessary for CMTC development.

(5) Review and approve increases in annual recurring requirements and one-time requirements and adjust RPMA distribution as necessary.

(6) Provide information on programmed stationing actions and other significant force-structure actions to the DCSHNA and other agencies according to USAREUR Regulation 220-5.

(7) Monitor long-term environmental effects using the Integrated Training Area Management (ITAM) Program.

j. The Deputy Chief of Staff, Resource Management, USAREUR, will allocate

(1) Resources to the Commander, CMTC, according to priorities established by the DCSOPS to support the CMTC (g(6) above). These resources will be consistent with approved USAREUR and DA funding programs.

(2) Enough funds for civilian workyears and operational requirements to support the CMTC according to DCSOPS-established priorities.

k. The DCSHNA will

(1) Oversee requests for exercises with 2,000 or more participants in MRAs in the areas next to GTA and CMTC areas of operations.

(2) Execute required notification actions for exercises with 2,000 or more participants in MRAs in the areas next to GTA and CMTC areas of operations.

(3) Help the CPA and the Director, Public Affairs (DPA), Seventh Army Training Command (7ATC), with a public affairs plan for the CMTC and with the execution of a community relations program in the Oberpfalz region.

1. The CPA will

(1) Prepare, in coordination with the DCSHNA and the DPA, a public affairs plan for the CMTC. The plan will address CMTC public information, command information, and community relations. The CPA and DPA will execute the plan. The CPA and DCSHNA will monitor the plan.

(2) Coordinate and approve media coverage of CMTC training.

(3) Coordinate and approve requests from international and national media for media coverage of CMTC training.

8. TRAINING CONCEPT

a. Training Unit.

(1) The CMTC will conduct brigade-level exercises that emphasize tactical maneuver training for the battalion TF or division cavalry squadron. Scenarios will be based on a Danubian scenario (c below) where any specified division commander's training objectives can be incorporated. The CMTC exercise will consist of

(a) A 10-day field training exercise (FTX) for one battalion TF.

(b) A two-battalion TF overlap of 1 to 2 field training days for brigade operations.

(c) A 5-day enhanced situational training exercise (STX) period for company-level training. The STX will include (when available) limited OPFOR support, OC support, and use of portions of the maneuver box.

(d) A simulation-driven command field exercise (CFX) for two battalion TFs.

(e) Realistic training opportunities for direct support (DS) and reinforcing field artillery (FA) battalions, forward support battalions (FSBs), aviation CS and CSS units, engineer battalions, air defense batteries, military intelligence elements, and corps support command elements.

(2) Brigade headquarters will exercise command and control (C2) over all elements in simulations and in the maneuver box. Division cavalry and other elements outside those organic to the TF may be incorporated into the exercise when approved by the Commander, CMTC, during scenario development as long as they do not interfere with or detract from the quality of the TF exercise. Total numbers of personnel, tracked and wheeled vehicles, and aircraft deployed to the CMTC will not exceed the following limits:

(a) Personnel: 5,000.

(b) Tracked vehicles: 400.

(c) Wheeled vehicles: 800.

(d) Aircraft: 60.

(3) Units that want to bring more personnel or equipment than in (2) above must request permission from the Commander, CMTC, 180 days before their scheduled densities. Requests must provide full justification for the increases (incl the expected training benefit to be gained by increased deployment).

(4) Units will deploy to the CMTC with at least the task organization shown in appendix E. Units will be task-organized in their warfighting formations.

(a) Units and elements over those listed in appendix E will not be taken to the CMTC without approval from the

Commander, CMTC. Units that arrive without approval from the Commander, CMTC, will not be allowed to train.

(b) Units whose warfighting organizations do not meet the minimum task organization in appendix E may be configured by the division commander specifically for combined arms training benefits at the CMTC.

(c) Units will not bring Allied soldiers or units to the CMTC to take part in the rotation without prior coordination with and approval of the Commander in Chief, USAREUR.

(5) Brigade commanders and staffs will deploy with and command the training TFs. The Commander, OPSGP (COG), will direct the exercise through a control division headquarters. The control division headquarters will provide the brigade headquarters with prepared division operations orders. The brigade commander will issue the brigade order to the TF NET COM +1 (glossary). The brigade headquarters will receive reports from the training TF and issue appropriate instructions for execution according to the training concept in the scenario. Only the COG, with division leaders, may approve deviations from the scenario. Parent brigade personnel will direct support operations of brigade-level assets.

(6) The parent division or brigade commander will

(a) Be the primary trainer of the brigade headquarters.

(b) Be present at battalion TF, fire support, TF CSS, and brigade AARs.

(c) Provide guidance to subordinate commanders on how to train to correct identified weaknesses.

(d) Adhere to the scenario and conditions of the exercise as directed by the COG.

b. Battle Simulation (Warlord). The CMTC uses the Warlord Simulation Center to increase the TF training experience and to provide the brigade in rotation the opportunity to plan and control a multi-TF fight on a seamless battlefield (glossary). The brigade commander may integrate the brigade fight in simulation and in the maneuver box. The corps and division will provide and schedule TFs to train in Warlord simulation before entering the maneuver phase. Appendix G provides information on integrating battle simulation.

c. Scenario Development. Scenarios are based on the mythical country of Danubia and its three provinces (Jurland, Vilslovakia, and Sownia). Scenario development is the joint responsibility of the CMTC and the division commander.

(1) Scenario development will begin 180 days before the start of training with a prerotation visit by the OPSGP to the training division. At this meeting

(a) The division and brigade commander will identify specific mission-essential tasks and training objectives for the exercise.

(b) Milestones for scenario development will be established.

(c) Projected troop lists will be discussed.

(2) Scenario development will continue with CMTC receipt of the division training letter. This letter will outline specific training objectives for each rotation (160 days before the rotation).

(3) The OPSGP will brief the scenarios to the division commander by 60 days before the beginning of training.

(4) The Commander, CMTC, with the division commander, will approve the final scenario.

d. OC Augmentation. The OPSGP will provide OCs for CMTC exercises. OCs will work under the direction of the COG. Training units may be tasked to provide augmentation OCs to meet essential OPSGP shortfalls. OC augmentation requirements

will be identified and coordinated at least 135 days before training begins. Each affected assistant chief of staff, G3, operations and plans (G3), will appoint a POC to coordinate augmentee training, deployment, and use with the Operations and Training Officer (S3), CMTC. The OPSGP will provide the senior OC for each team. Augmentation OCs will

(1) Complete certification training to CMTC standards (app H) under the direction of the COG. Soldiers selected for OC duty will support a complete brigade rotation. The COG will provide the training-unit commander with the requirements for OC personnel and equipment augmentation to support the full rotation. The COG will provide this information at least 135 days before training begins.

(2) Report to the COG for prerotation certification training on D2 (app E) or as coordinated with the OPSGP in the tasking letter. Augmentees who show up late for OC certification will not deploy into the maneuver area until they are fully certified. The unit they would normally cover will not be able to participate until the augmentee becomes certified.

(3) OC augmentation is an important aspect of a TF training rotation. Augmentees must be motivated, dis-ciplined, and qualified to perform the demanding task of OC. Augmentee OCs who are not motivated, disciplined, and qualified will be identified and returned to their parent unit.

(4) Be released from OPSGP control when after-action reports and THP preparation are completed. When training units are unable to provide OCs for augmentation, they will coordinate with other units in density to provide OCs.

e. OPFOR. An OPFOR representing the major components of a threat force motorized rifle regiment will oppose training units in force-on-force training. The OPFOR will

(1) Be configured according to the threat outlined in the Danubia area study.

(2) Execute scenario-directed missions under the C2 of a notional motorized rifle division headquarters portrayed by the regimental tactical operations center (RTOC). (OPFOR can portray any type threat on the complex battlefield from COBs to a fully-equipped motorized rifle regiment.)

(3) Execute tactical missions according to threat force doctrine in Field Manual (FM) 100-2-1 and the Danubia area study.

f. OPSGP. The OPSGP

(1) Will control the entire exercise battlefield.

(2) Will improve battlefield realism through fire-markers, training devices, and tactical simulations.

(3) May task training divisions to augment specific personnel or equipment shortfalls to support the exercise. Additional taskings may arise because of unit requests beyond CMTC support capabilities.

(4) Will conduct exercises in a full MILES II environment using the rules of engagement (ROE) published by the OPSGP.

(5) Will conduct instrumented AARs for every level, from company to brigade, and may include CS and CSS AARs. Appendix I prescribes AAR schedules and training- unit attendance requirements.

g. Rotation Schedule. Appendix J provides a typical CMTC rotation schedule.

h. Training Requirements. The completion of a CMTC rotation will meet the USAREUR Regulation 350-1 requirement to conduct an Army Training and Evaluation Program (ARTEP) once every 14 months. CMTC rotations meet this requirement for maneuver battalions and companies, FSBs, forward support companies, aviation battalions and squadrons, engineer battalions and companies, and air defense platoons. Battalion and brigade staffs also must complete a staff ARTEP before the CMTC exercise to meet USAREUR Regulation 350-1 requirements.

i. **MRAs.** Ground maneuver activities usually are restricted to the HTA reservation. Units will coordinate through the CMTC (AETT-T-DPTMS) for use of airspace over MRAs controlled by the Commander, CMTC.

9. USAREUR LEADER TRAINING PROGRAM AND MOBILE TRAINING TEAMS

a. The USAREUR Leader Training Program (ULTP) provides units scheduled to train at the CMTC with a pre-rotation opportunity to exercise, train, and critique brigade and TF leaders and key personnel in the battle planning process. ULTP also provides a post-rotation opportunity to review the THP and work on rotation-identified deficiencies. The ULTP is a chain-of-command program that makes the most of the unique training environment and instrumentation of the CMTC. The ULTP is designed to exercise the TF staff and company commanders or specialty platoon leaders by providing a complete OC package to help learning.

b. ULTP training audiences will be limited to 30 persons. During a rotation, not more than 29 persons will be allowed in the maneuver box at any one time.

c. ULTP instruction will be scheduled with unit training in the maneuver box. This will allow use of battle observations to make the feedback and AAR process more meaningful.

d. In addition to the ULTP, the CMTC provides mobile training teams (MTTs). MTTs provide HS training for TF NCOs. The MTT provides 2 days of instruction and training for platoons, teams, specialty platoons, attached platoons, and CSS elements. The MTT is made up of the OC team NCOs who will be OCs for the TF during its rotation at CMTC. This will give unit NCOs the opportunity to talk one-on-one with their counterparts from CMTC.

e. The MTT will provide the following information during large group instruction:

- (1) An update on OOTW.
- (2) An updated OPFOR briefing.
- (3) Current trends.
- (4) Lessons learned by combat functions.

f. During small group instruction, the TF NCOs may discuss lessons learned, improvements in SOPs, trends, and troop-leading procedures.

g. MTT training audiences will consist of, but not be less than, 75 percent of the NCOs assigned to the TF (incl attached elements).

h. Units will schedule ULTP and MTT exercises with the S3, OPSGP, at the scheduling conference (180 days before deployment). ULTP and MTT training will not be scheduled at the same time.

i. Units should use the ULTP or MTT 90 through 120 days before their scheduled rotation and within 60 days after their rotations.

j. ULTP training is designed for 3 full days. The program of instruction has been carefully refined to make the most of this training in a short period of time. The MTT is designed for 2 days, but is flexible.

10. MILITARY OPERATIONS IN URBANIZED TERRAIN

a. CMTC offers the following MOUT training:

(1) MOUT Train-the-Trainer Course (MTC). MTC is a 5-day hands-on training program for 20 soldiers. It provides USAREUR units a cadre trained in basic MOUT operations. The cadre will help unit leaders develop and conduct their battalion's HS MOUT training program. Because this is a train-the-trainer course, trainers should be NCOs. The MTC will be conducted 90 to 120 days before the unit's CMTC rotation. Exact dates should be coordinated with the S3, CMTC, at the scheduling conference.

(2) MOUT training not linked with CMTC rotations (unit MOUT training). Unit MOUT training provides units an opportunity to practice USAREUR Regulation 350-1 MOUT tasks at the CMTC MOUT facility. Facility availability is based on CMTC rotation requirements and scheduled MTCs. This program supplements the MTC; units will use the CMTC facility to train on MOUT METL devised at the HS.

(3) MOUT operations incorporated in brigade and TF rotation scenarios. CMTC incorporates at least one MOUT mission in each TF rotation. The operations are scenario-linked and may take place in one or more of the four MOUT villages or the MOUT city at the CMTC. The specifics of each operation vary.

b. The four MOUT villages and one MOUT city serve as the population centers for COB activities. These MOUT

facilities are populated for the entire rotation. In each population center, the CMTC has established a municipal infrastructure complete with village elders, police officials, and international relief agents. Appendix K explains COB augmentation certification.

c. Logistics support will be coordinated with the S3 and the Director of Plans, Training, Mobilization, and Security (DPTMS), CMTC, at the BASOPS conference. The MTC SOP has important information on ammunition, messing, medical support, required equipment, and programs of instruction.

11. TACTICAL EXERCISE WITHOUT TROOPS

Tactical exercises without troops (TEWTs) will be conducted at brigade level only when the CMTC schedule permits.

a. TEWTs will not be used as a box reconnaissance. TEWTs will include

(1) Brigade/battalion orders process.

(2) Brigade commander to battalion commander to company commander terrain walks to verify and critique orders and process.

(3) Only wheeled vehicles.

b. When the schedule allows, CMTC will support approved TEWTs with

(1) Brigade OCs (2 each).

(2) Maneuver OCs (2 each battalion).

(3) Fire support OCs.

(4) CSS OCs (when slice battalions are included).

(5) AAR input.

12. AVIATION POLICY

a. Aviation operations at the CMTC will be coordinated and conducted according to the CMTC External SOP and CMTC Airspace and Aviation Procedures Manual. For terrain flights, CMTC exercises will be considered a HQ USAREUR/7A-directed exercise. The COG may waive requirements in USAREUR Regulation 95-1, paragraph 4-5, for CMTC airspace and training areas.

b. Aviation units will coordinate requests through the S3, CMTC. The COG; S3, CMTC; and senior aviation OC are the approval authorities for aviation operations (fixed and

rotary wing) in EDR-35 and the CMTC HTA (USAREUR Reg 95-7). Army aviation participation at CMTC will be according to developed scenario and the division training letter.

13. LOGISTIC SUPPORT

a. Unit Deployment. Units will deploy with a brigade support area (BSA) organization. TF field trains will operate from the BSA.

b. Logistic Support Coordination. Units will coordinate CMTC logistic support during the scenario development process according to CMTC SOPs. Logistic operations will be according to doctrine and the CMTC External SOP. Particular attention should be paid to the CMTC External SOP, annex H, Combat Service Support.

c. FSBs and Brigade Slice Logistic Elements. FSBs and brigade slice logistic elements will set up operations and support in the MRA as well as in HTA. Units will spend 6 to 10 days in HTA. The FSB will conduct at least two CMTC-observed BSA deployments. One move must be at night and involve a convoy and occupation of a new site during hours of darkness. Logistics units deployed to the maneuver box will not use Albertshof for logistics support but must work through their supporting FSB.

d. Support Battalions. Support battalions will coordinate with supported maneuver units to conduct 16- to 24-point ROM operations according to the USAREUR ROM SOP. Each maneuver battalion will conduct a ROM as part of its road march at the start of the rotation.

e. Engineer Support. While at HTA, the BSA organization will dig in but will receive engineer assets only as allocated from the supported brigades authorized engineer support by this regulation. Digging in anything other than individual and crew-served fighting positions must be coordinated with the FSB senior OC, who will coordinate with the Environment Office, CMTC, as required. Digging in at the MRA must be approved with the HTA MRA Office. Generally, digging in at the MRA is not authorized.

f. Fighting Positions. BSA elements will be prepared to construct to standard above-ground fighting positions while in the MRA.

g. Corps and Division Support Commands. Appropriate additional assets from corps and division support commands (approved during CMTC rotational coordination meetings) will be provided to replicate doctrinal support to the FSB (for example, class 1, 2, 3, 5, 8, 9; water; transportation; C2 elements). Direct use of CMTC logistic assets by BSA elements is not authorized unless requested and approved during prerotation coordination meetings with the OPSGP.

h. Supply Routes. Logistics planners must ensure supply routes from corps and division support commands to the FSB and from the FSB to TF units are doctrinally replicated. Time delays are discouraged.

i. Movement and Transportation. Units will

(1) Conduct movements according to current USAREUR movement guidance.

(2) Coordinate air, rail, and surface movements with the movements control center of the respective USAREUR major command.

(3) Offload tracked vehicles shipped by rail at Parsberg (near Hohenfels) and drive them to a designated forward assembly area. Units trucking tracked vehicles to the CMTC will offload vehicles at designated offload ramps.

(4) Plan for class 1 and 3 support and for services and sleeping facilities for security personnel working at the Parsberg railhead.

(5) Coordinate unit security requirements with the CMTC (AETT-T-DPTMS).

(6) Coordinate materiel-handling equipment for offloading equipment.

(7) Ensure that wheeled vehicles driven to CMTC enter the training area through gate 4, 5, or 6 (based on the scenario after coordination with both the S3, OPSGP, and the CMTC provost marshal's office).

j. MILES II Equipment and Maintenance Support.

(1) When possible, individual MILES II equipment will be taken from CMTC stocks. The unit will bring blank firing adapters for individual weapons (M16 rifles and machineguns).

NOTE: MILES II shortages will be determined after the CMTC receives a detailed troop list at the 120-day conference. Units will be notified of MILES II shortfalls and required augmentation from area training resource assistance centers. Units will coordinate for MILES II equipment and other training aid support from CMTC according to the appropriate CMTC SOP.

(2) Tracked vehicles must come to the CMTC with Velcro affixed according to the vehicle technical manual for installation of MILES II and SAWERF.

(3) When possible, CMTC will provide MILES II equipment for combat and CS vehicles and for some service support vehicles. Every vehicle and person must be MILES II equipped before entering the box.

(4) A MILES II contact team will visit each battalion TF each day during training to repair or provide direct-exchange of inoperative MILES II equipment. The unit OC will

(a) Coordinate MILES II contact team support.

(b) Provide MILES II battery resupply.

k. Maneuver Rights.

(1) No ground maneuver training will be allowed in the 15-km exclusion zone around the CMTC. Only main supply route traffic will be permitted in this zone.

(2) MRAs will be used only for DS of CMTC training. MRAs will not be used as assembly areas before moving into the CMTC or for training that is not related directly to a CMTC rotation.

(3) Each brigade TF will be allocated up to two MRAs to support its CMTC rotation. Supporting elements will operate from these MRAs.

(4) The unit will be informed of its MRA in the 200-day letter. Coordination will be conducted at the 180-day conference.

(5) An MRA request generally will not exceed 1,000 participants and 300 wheeled vehicles. When these numbers do not meet unit requirements, the unit will coordinate with the Maneuver Affairs Office (MAO), CMTC, before submitting its request. The request will be determined at the 120-day conference.

(6) Use of buildings and local caserns will not detract from training objectives or doctrinal operations.

l. Miscellaneous Charges and Services. Funding for miscellaneous charges and services not available in the normal supply system will be processed with DD Form 448 (Military Interdepartmental Purchase Request). Final billing to the unit will be completed about 90 days after the unit departs the CMTC. The unit will coordinate miscellaneous charges and services with the Commander, Seventh Army Training Command, ATTN: AETTH-LOG, CMR 414, APO AE 09173. The following will be charged to the training unit:

(1) Billeting costs.

- (2) DA and local national civilian employee and contractor overtime directly attributed to the training unit.
- (3) Engineer support and nonstandard class 4 supplies (for example, MILES II batteries, barrier material).
- (4) Loss or damage to CMTC equipment.
- (5) Other equipment or services directly attributable to the training unit.

14. ADMINISTRATION

a. General. The CMTC will develop SOPs that address requirements for augmentation to support CMTC rotations. A coordination conference will be conducted by the DPTMS, 282d Base Support Battalion, about 120 days before a rotation begins (USAREUR Reg 350-10). The OPSGP will present the initial tasking letter to the unit at this conference, and administrative details for the rotation will be discussed. Detailed arrival and departure actions will be determined at this conference.

b. Administrative Augmentation. The CMTC External SOP addresses in detail augmentation required to support a CMTC rotation adequately. Temporary requirements will be discussed at the 120-day conference and included in the 120-day tasking letter. Standard OPFOR support requirements are in appendix B. Units unable to meet augmentation requirements will coordinate for augmentation from the corps or division. Normal BLUFOR support taskings include

- (1) Engineer augmentation.
- (2) Major training area (MTA) headquarters.
- (3) Military police (MP) augmentation.
- (4) MILES II liaison office.
- (5) Washrack detail.

c. Chaplain Support. Units will deploy with chaplain support. The Chaplain, CMTC, will be available for coordination.

d. Medical Services.

- (1) Units will use their own assets to provide routine medical and dental care to their personnel.
- (2) The CMTC dispensary will handle only medical emergencies according to the CMTC External SOP. Units will coordinate with the dispensary.
- (3) Medical evacuation (air ambulance) service will be available at the CMTC.
- (4) The CMTC dental activity will handle only dental emergencies according to the CMTC External SOP. Units will coordinate with the dental activity.

e. Military Justice. The complex battlefield dictates that units require staff judge advocate (SJA) support to provide full-time legal advice to commanders during rotation execution.

- (1) Rotational units will not be attached to the CMTC for court-martial jurisdiction. Rotational commanders will coordinate with their local SJA for predeployment instructions on pending courts-martial and advice on handling serious incidents that occur at the CMTC.

(2) Rotational units will deploy with enough legal support for nonjudicial punishment actions and summary courts-martial. Deployment of an SJA officer is encouraged because the complex battlefield presents many scenario-driven legal problems for rotational units.

f. MP.

(1) The Provost Marshal, CMTC, will coordinate normal law enforcement services with the rotational unit in the cantonment area.

(2) Rotational units will provide tactical MP support.

(3) Requirements for administrative MP support to be provided by the training unit are in the CMTC External SOP and USAREUR Regulation 350-10. Augmentation MPs will coordinate enforcement activities with the Provost Marshal, CMTC, at the 120-day conference.

g. Visitor Support. A visitor to CMTC is a person who is not on training-unit manning rosters or who has not been inprocessed by an OC at the field or motor pool link-up.

(1) Every visitor to the CMTC must be coordinated with HQ USAREUR/7A and the Commander, 7ATC, according to USAREUR Regulation 350-15.

(2) Units in training must ensure their visitors (incl Allied visitors) are coordinated with Protocol Office, 7ATC (475-6221/7145).

15. MAPS

Units will order maps through normal procurement channels. The 1:50,000 Hohenfels-series, M745-TR 63, maps will be required. Operation orders issued to training units will refer to this map.

16. SAFETY

a. The Safety Officer, 7ATC, will

(1) Videotape a safety briefing covering safety items associated with CMTC rotations and send a copy to CMTC units. Every soldier will view this videotape and be briefed onsite by an OC before beginning CMTC training.

(2) Update briefings as necessary.

b. To minimize accidental losses during CMTC training, commanders will

(1) Conduct risk assessments of operations during premission planning.

(2) Include countermeasures to reduce accident potential in operation plans and operation orders, and during training preparation, procedures, and execution.

(3) Enforce published CMTC ROEs.

(4) Develop effective sleep plans to ensure soldiers receive enough rest during sustained operations.

(5) Include at least the following topics in safety operations briefings:

(a) Handling and distributing ammunition and explosives.

(b) Handling fuel.

(c) Loading and unloading operations.

(d) Moving combat and wheeled vehicles.

(e) Preventing hot and cold weather injuries.

(f) Using blank ammunition, simulators, pyrotechnics, explosive charges, and smoke (AR 385-63).

(6) Use safety guidelines in USAREUR Pamphlets 385-9, 385-10, and 385-15.

(7) Appoint an officer or senior NCO to be the safety POC during the training period. Safety officers from the OPFOR and the BLUFOR will report to the Safety Office, CMTC, 1 workday before arrival of first elements. Unit safety officers will act as liaison officers with the CMTC on safety matters and ensure that copies of accident reports are passed to the Safety Officer, CMTC. Unit safety officers will brief the Safety Officer, CMTC, after the last unit convoy departs.

(8) Report safety requirements according to applicable regulations and CMTC SOPs.

17. WHITE FORCE ENGINEERS AND ENGINEER AUGMENTATION

a. Environmental damage may affect safety, tactical realism, cost, and the quality of training. Units will train at CMTC according to established training area environmental regulations and procedures.

b. Rotational TF repair and recovery of the training area will be made with OPFOR engineer assets. These assets will be used primarily to support the OPFOR during rotation, but also will refill excavations made or found by both BLUFORs and OPFORs during and after rotations. These assets also will support the COG when directed. The normal length of stay on a post rotation is 3 to 5 days (after the last "X" day).

c. V Corps will coordinate and provide engineer assets during scheduled rotations. In addition to the normal engineer augmentation to BLUFOR units, V Corps will provide an OPFOR-reinforced sapper company (table 1).

18. COMMUNICATIONS-ELECTRONICS OPERATING INSTRUCTIONS

Brigade and battalion TFs will use CMTC communications-electronics operating instructions. Communication requirements will be coordinated with the S3, OPSGP (466-4458).

19. BILLETING AND ADMINISTRATIVE FACILITIES

Requirements for facilities will be coordinated with the Commander, 282d Base Support Battalion, as required by CMTC SOPs. Coordination must occur at least 90 days before a unit density.

20. SECURITY

Brigade and battalion TFs will coordinate with the Installation Security Office, CMTC, for emergency dispersal areas. BLUFORs will provide a ready reaction force during support densities.

21. ARMY NATIONAL GUARD KEY PERSONNEL UPGRADE PROGRAM AUGMENTATION

For each brigade rotation, the Commander, CMTC, will request a predetermined number of Army National Guard (ARNG) personnel to take part in CMTC training with the rotational unit. This "push package" will not exceed 10 battalion staff personnel and 5 company-level personnel. Personnel will have rank and skills compatible with the rotational unit to be augmented.

a. The Commander, CMTC, is responsible for the reception, orientation, and outprocessing of Key Personnel Upgrade Program (KPUP) personnel. The Commander, CMTC, also is responsible for normal life support of KPUP personnel

(1) Before handoff to the rotational brigade.

(2) After completion of their training with the brigade.

b. Brigade commanders will ensure that KPUP personnel are processed into their units as personnel replacements and assigned duties appropriate to their ranks and military occupational specialties (MOSs). Personnel may be used to fill vacancies or be double-slotted. Emphasis is to provide high-quality training for KPUP personnel.

c. Brigades will be informed on arrival at the CMTC of numbers, ranks, and MOSs of augmenting personnel they will receive.

d. ARNG soldiers and augmented unit commanders will be interviewed at least once during the rotation to evaluate the quality of training received by soldiers and their contribution to the unit mission. Use and training of ARNG soldiers will be included in the AAR.

e. Unit commanders may request additional ARNG personnel through the KPUP to meet their own training requirements at the CMTC. KPUP soldiers are in addition

to any Reserve Component soldiers who may be training with units under the Overseas Deployment Training Program.

22. HERO OF HOHENFELS AWARD PROGRAM

Appendix L prescribes the Hero of Hohenfels Award Program.

23. AFTERACTION REPORTS

a. Brigade and battalion TFs will send an afteraction report to

(1) The Commander, CMTC, ATTN: AETTH-OG-TACS, CMR 414, APO AE 09173.

(2) The Commander, 7ATC, ATTN: AETT-CG, CMR 415, APO AE 09114.

b. Reports will be completed according to appendix M.

c. Reports will be sent to addressees in a above not more than 60 days after the unity density.

24. RIGHT-SEAT AND OPPOSING FORCE RIDE PROGRAMS

Appendix N prescribes the Right-Seat and Opposing Force Ride Programs.

Table 1 Sapper Company Requirements			
Amount	Item	Amount	Item
40	People (minimum)	1	Command vehicle with radio
1	NCO 94B (engineer mess team NCO in charge)	1	Small emplacement excavator
3	Specialist 94B (engineer mess team)	2	Cargo high-mobility multipurpose truck
2	M900 Tractors with lowboy trailers	2	Dozers
2	Roadgraders (note)	3	Dumptrucks (note)
2	Volcanos (when fielded)	7	M9 Army combat earthmovers (ACEs)
2	Armored vehicle-launched mine-clearing line charges (MICLICs)	9	M113 armored personnel carriers
1	M548 (modified)		
NOTE: Roadgraders and dumptrucks may be on call, but must be able to respond within 6 hours of notification.			

**APPENDIX A
REFERENCES**

**SECTION I
REFERENCED PUBLICATIONS**

AR 1-1, Planning, Programming, Budgeting, and Execution System

AR 350-2, Opposing Force Program

AR 350-50, Combat Training Center Program

AR 385-63, Policies and Procedures for Firing Ammunition for Training, Target Practice and Combat

DA Pamphlet 385-1, Unit Safety Management

Field Manual (FM) 6-20-1, Tactics, Techniques, and Procedures for the Field Artillery Cannon Battalion

USAREUR Regulation 95-1, USAREUR Aviation General Provisions and Flight Regulations

USAREUR Regulation 220-5, USAREUR Peacetime Stationing

USAREUR Regulation 350-1, USAREUR Training Directive

USAREUR Regulation 350-10, Major Training Areas

USAREUR Regulation 350-22, Maneuver and Field Training Exercises Rights in the Federal Republic of Germany

USAREUR Regulation 525-5, USAREUR Lessons Learned and Remedial Action Programs

USAREUR Pamphlet 385-9, Leader Actions To Reduce Error Accidents

USAREUR Pamphlet 385-10, Safe Army Now A Commander's Guide for Increased Readiness

USAREUR Pamphlet 385-15, Leader's Guide for Tactical Exercise Safety

USAREUR Refuel on the Move Standing Operating Procedures

CMTC External Standing Operating Procedures

CMTC Airspace and Aviation Procedures Manual

SECTION II
RELATED PUBLICATIONS

AR 11-33, Army Lessons Learned Program: System Development and Application

AR 385-15, Water Safety

AR 385-55, Prevention of Motor Vehicle Accidents

AR 670-1, Wear and Appearance of Army Uniforms and Insignia

AR 672-5-1, Military Awards

FM 1-112, Tactics, Techniques, and Procedures for the Attack Helicopter Battalion

FM 5-100, Engineer Combat Operations

FM 5-101, Mobility

FM 5-102, Countermobility

FM 5-103, Survivability

FM 6-20, Fire Support in the AirLand Battle

FM 6-20-30, Tactics, Techniques, and Procedures for Fire Support for Corps and Division Operations

FM 34-130, Intelligence Preparation of the Battlefield

FM 71-1, Tank and Mechanized Infantry Company Team

FM 71-2, The Tank and Mechanized Infantry Battalion Task Force

FM 71-3, Armored and Mechanized Infantry Brigade

FM 71-100, Division Operations

FM 71-123, Tactics and Techniques for Combined Arms Heavy Forces: Armored Brigade, Battalion/Task Force, and Company/Team

FM 100-2-1, Soviet Army Operations and Tactics

FM 101-10-1/1, Staff Officers Field Manual
Organizational, Technical, and Logistical Data (I)

FM 101-10-1/2, Staff Officers Field Manual
Organizational, Technical, and Logistical Data Planning

Factors (II)

USAREUR Regulation 10-5, HQ USAREUR/7A
Responsibilities and Functions

USAREUR Regulation 95-7, Aviation Standardization and
Evaluation

USAREUR Regulation 350-15, Training-Related Visits to
USAREUR

USAREUR Pamphlet 30-5, USAREUR 31-Day Field Menu
and Recapitulation

APPENDIX B
OPPOSING FORCE SUPPORT REQUIREMENTS

B-1. AUGMENTATION

Division commanders will ensure that the opposing force (OPFOR) receives the augmentation in table B-1 whenever their units are in rotation.

B-2. EQUIPMENT

Augmentees must report with fully operational equipment.

B-3. REPORTING

- a. Augmentees will report on the evening of E-2 (2d day of situational training exercise (STX) for unit in training rotation) to receive 3 days of civilians on the battlefield (COB) familiarization training by the Operations Group COB Cell.
- b. The Combat Maneuver Training Center will provide billeting support for OPFOR and COB augmentees.
- c. OPFOR augmentees will be under the operational control of the OPFOR throughout the rotation.

Table B-1
OPFOR Augmentation

How Many	What	Consists of
2	65-soldier dismounted infantry company (note 1) controlled by one headquarters. The headquarters will have one captain and one first sergeant.	Each company will have 3 squads, a platoon leader, a radio-telephone operator, and a medic. Each squad will have at least 6 soldiers, 1 antitank weapon, and 2 M60 small arms weapon systems.
	Engineer support	See basic regulation, paragraph 17.
1	Mess team	1 94B noncommissioned officer in charge and 1 cook per 50 individuals
3	5-ton trucks	
1	Electronic warfare team (note 2)	1 lieutenant - liaison officer 1 lieutenant - platoon operations 1 platoon sergeant - platoon operations center 4 electronic warfare analysts - platoon operations center 1 TRQ-32 (PRD-BUCK-UP) with crew (note 3) 1 TLQ-17 with crew (note 3) 1 PPS-5 with crew (note 3)
30	Persons to act as COBs	At least 12 must be females. (Note 4)
6	Linguists to act as COBs	At least 2 must be females.
5	5-ton trucks with drivers for United Nations convoy and COB transportation.	

NOTES: 1. The only suitable substitution for a dismounted infantry company is a division combat engineer company. Only one company may be substituted.
2. Only if training unit uses their own.
3. Military intelligence battalions which provide repair required for specialized equipment.
4. Tasking messages must include responsibility to provide chain of command for COBs.

APPENDIX C
AUGMENTATION REQUIREMENTS FOR ARMORED
AND MECHANIZED BRIGADES

C-1. GENERAL

a. The exact number of augmentees will depend on Combat Maneuver Training Center (CMTC) observer and controller (OC) available strength. OC augmentee requirements may be modified by memorandums of agreement and additional training objectives requested by rotational units and approved by the Commander, Operations Group (COG), CMTC.

b. Brigades of armored and mechanized divisions must augment the Operations Group (OPSGP), CMTC, to provide for a realistic battlefield and substantive feedback.

C-2. DIVISION ARTILLERY REQUIREMENTS

For division artillery counterfire, the following is required:

a. Two career management field 13-series sergeants.

b. Soldiers to sustain 24-hour operations through the rotation for the fire support tactical air force. This requirement will provide for one noncommissioned officer (NCO) on duty at all times.

C-3. FIRE DIRECTION CENTER

Two military occupational specialty (MOS) 13C30 or 13E30 soldiers will serve as firing platoon fire direction center (FDC) OCs. For each additional firing platoon FDC, one 13B40 and one 13C30 or 13E30 soldier will be required to serve as OCs. Each FDC must have the following equipment:

a. High mobility multipurpose wheeled vehicle (HMMWV) (per coordinating instructions).

b. One AN/VRC-46 radio with secure capability.

c. One AN/GRA-39 remote set with batteries.

d. One set of night vision goggles (NVGs) with batteries. NVG training must be noted on the operator's Optional Form (OF) 346 (US Government Motor Vehicle Operator's Identification Card).

e. One Multiple Integrated Laser Engagement System (MILES) controller gun with green key.

C-4. Q-36/37 RADAR

Two sergeants first class or above, MOS 13R, are required to provide 24-hour OC for each Q-36/37 radar deployed. Each team must have the following equipment:

a. HMMWV (per coordinating instructions).

b. Two AN/VRC-46 radios. One must have secure capability.

c. Two AN/GRA-39 remote sets with batteries.

d. One set of NVGs with batteries. NVG training must be noted on the operator's OF 346.

e. One MILES controller gun with green key.

f. One aiming circle.

C-5. COMBAT OBSERVATION LASING TEAM

One staff sergeant or above, MOS 13F, is required to provide 24-hour OC coverage for each combat observation lasing team (COLT) participating. Each team must have the following equipment:

- a. HMMWV (per coordinating instructions).
- b. One AN/VRC-46 radio with secure capability.
- c. One set of NVG with batteries. NVG training must be noted on the operator's OF 346.
- d. One MILES controller gun with green key.
- e. One AN/PRC-77 with batteries per COLT OC team to support dismounted operations.

C-6. MULTIPLE-LAUNCH ROCKET SYSTEMS

Following support is required for participation of multiple-launch rocket systems (MLRSs):

a. One MOS 13P40 soldier, to provide OC coverage for the MLRS battery operations center. This NCO will provide support in controlling fire missions and will require the following equipment:

- (1) One HMMWV with dual radio nets (no secure).
- (2) One AN/GRA-39 remote set with batteries
- (3) One set of NVGs with batteries.

b. One MOS 13P40 soldier to provide OC coverage for the platoon operations center with the following equipment:

- (1) One HMMWV with dual radio nets (no secure).
- (2) One AN/GRA-39 remote set with batteries.
- (3) One set of NVGs with batteries.

c. Three staff sergeants (MOS 13M, launcher chiefs) to provide OC coverage for the three M270 (MLRSs). Each of these must have the following equipment:

- (1) One HMMWV with an AN/VRC-46 (with secure).
- (2) One AN/GRA-39 remote set with batteries.
- (3) One set of NVGs with batteries.

**C-7. REINFORCING FIELD ARTILLERY
BATTALION HEADQUARTERS**

When a reinforcing field artillery (FA) battalion headquarters is deployed instead of an MLRS battery, the following will be required:

- a. One FA captain to serve as an operations and training officer (S3) OC.
- b. One FA captain to serve as an intelligence officer (S2) or S3 OC.
- c. One MOS 13P40 soldier to serve as the reinforcing FA battalion FDC OC.

C-8. SURVEY SECTION

One survey staff sergeant or sergeant first class (MOS 82C) will provide OC coverage to the direct support (DS) FA battalion survey section. The following equipment is required:

- a. HMMWV (per coordinating instructions).
- b. One AN/VRC-46 radio with secure capability.
- c. One AN/GRA-39 remote set with batteries.
- d. One set of NVGs with batteries. NVG training must be noted on the operator's OF 346.
- e. One MILES controller gun with green key.

C-9. BATTALION MAINTENANCE

One maintenance staff sergeant or sergeant first class (63 series) will provide OC coverage to the DS FA battalion maintenance operation. The following equipment is required:

- a. HMMWV (per coordinating instructions).
- b. One AN/VRC-46 radio with secure capability.
- c. One AN/GRA-39 remote set with batteries.
- d. One set of NVGs with batteries. NVG training must be noted on the operator's OF 346.
- e. One MILES controller gun with green key.

C-10. BRIGADE OC TEAM AUGMENTATION

Brigade OC team augmentation is required for those elements in a through j below that participate in a CMTC rotation. These soldiers will be dedicated OCs and may not be assigned additional duties as players.

a. Electronic Warfare Operations.

(1) One sergeant first class to provide OC coverage to the electronic warfare (EW) platoon operations center. This NCO will provide feedback on the platoon's mission effectiveness.

(2) One staff sergeant or above to provide OC coverage for each separately located collector/jammer. When all collector/jammer assets are located at one site for the entire rotation, only one OC will be required.

b. Military Intelligence.

(1) One staff sergeant or above to provide OC coverage for each ground surveillance radar (GSR) and remotely employed sensor.

(2) Two sergeants first class or above to provide OC coverage to the battlefield deception team, if used.

(3) Two sergeants first class or above to provide OC coverage to each brigade scout section, if used.

(4) One captain to provide OC coverage to the technical control and analysis element.

(5) One sergeant first class or above to provide OC coverage to the technical control and analysis element.

(6) Two warrant officers (counterintelligence technician) or NCOs (MOS 97B) to provide OC coverage to counterintelligence teams.

c. Nuclear, Biological, Chemical. One sergeant first class or above to provide OC coverage for each chemical platoon (smoke, reconnaissance, and decontamination).

d. Engineer Operations.

(1) One captain or first lieutenant to provide OC coverage to the engineer battalion tactical air control and the assistant brigade engineer. This OC will provide feedback on engineer operations.

(2) One sergeant first class (MOS 12B) to provide OC coverage to the headquarters and headquarters company (HHC) of the engineer battalion. This OC will provide feedback on its effectiveness.

(3) One sergeant first class (MOS 12B) to provide OC coverage to the engineer support platoon and cover the engineer forward stockage point. This OC will track the issue and accountability of class 4 barrier materials.

e. Air Defense Artillery Operations. The following augmentees will cover critical elements of the Stinger platoons:

(1) One sergeant first class or above to provide OC coverage to each high-to-medium altitude air defense (HIMAD) firing platoon when employed in CMTC. This OC will provide feedback to the brigade air defense artillery OC on operations and integration with the Bradley Stinger fighting vehicle (BSFV) battery.

(2) One sergeant or above to provide OC coverage to each Stinger section kept under brigade control.

(3) Two Stinger-qualified sergeants or above to provide OC coverage to the task force (TF) Stinger teams.

f. Forward Support Battalion.

(1) Two sergeants first class (MOS 92Y) with dual-net HMMWVs and NVGs to provide OC coverage for the FSB.

(2) One sergeant first class (MOS 91B) and one staff sergeant (MOS 91B) to provide coverage for the forward support battalion (FSB) with dual-net HMMWVs and NVGs.

(3) One staff sergeant (logistics MOS is immaterial) to provide coverage and track reporting at the FSB with VRC-47 and NVGs.

g. Aviation Augmentation.

(1) One lieutenant to provide attack helicopter OC coverage, if used. This lieutenant must be NVG-current with cavalry or attack helicopter experience.

(2) Two OH-58C pilots-in-command to provide OH-58 OC coverage. These personnel must be NVG current.

(3) One sergeant with HMMWV and NVGs to serve as the technical inspection supervisor.

(4) Two specialist (MOS 67V) crew chiefs.

(5) Two OH-58C helicopters.

h. Military Police Platoons. Six staff sergeants (MOS 95B) with dual-net HMMWVs and NVGs to provide OC coverage to three military police (MP) platoons. Four staff sergeants (MOS 95B) with dual-net HMMWVs and NVGs to cover two MP platoons.

i. Special Operations Forces.

- (1) One major (38A) to provide OC coverage to the brigade civil affairs team.
- (2) One major (39B) to provide OC coverage to the brigade psychological operations support element.
- (3) Three sergeants first class (MOS 38Z) to provide OC coverage to the three psychological operations loudspeaker teams.

j. Linguists. Six linguists to act as interpreters.

C-11. DIVISION TACTICAL OPERATIONS CENTER

To replicate corps reporting requirements, the staff augmentation in a through d below is required for the division tactical operations center (DTOC). This support is important because the officers and NCOs provided will directly affect the quality of information, training, and support received during the rotation. DTOC augmentees may not be switched during the rotation.

a. Assistant Chief of Staff, G2 (Intelligence), Section. Replicates the collection and analysis section of the S2 and assistant chief of staff, G2 (intelligence) (G2), at brigade and division levels. Develops intelligence summary scripts, responds to unit requests for formation, and controls EW operations. Must be Maneuver Control System (MCS) qualified.

(1) Three corporals or specialists (MOS 96B) and one staff sergeant or above (MOS 96B) to replicate division intelligence analysts.

(2) One warrant officer, order-of-battle technician, or one first lieutenant (MOS 35) to support division intelligence production.

b. Assistant Chief of Staff, G3 (Operations and Plans), Section.

(1) Four captains (11/54 or 12/54) as operations officers. These officers must be MCS-qualified.

(2) Two aviation warrant officers or commissioned officers to be the CMTC G3 Air Section. These officers must have their own organic ground transportation. G3 Air operates 24 hours a day from the CMTC DTOC.

c. MCS/Mobile Subscriber Equipment. Provide the following for MCS/mobile subscriber equipment (MSE) operations:

(1) One small extension node (SEN). The signal organization supporting the rotational unit will ensure that the DTOC is linked into the unit's MSE network. This may mean that an SEN is not required.

(2) Two reels of WF16 wire. These are used to connect the DTOC to the SEN.

(3) Two telephone numbers in the MSE network.

(4) One digital secure-voice terminal telephone.

d. DTOC. The DTOC will control EW operations. The signal unit supporting the rotational unit will provide the CMTC DTOC with point-to-point communications from the EW command and control element to building 100. This requirement includes equipment and batteries to secure both ends of the point-to-point.

**C-12. SPECIFIC SUPPORT TO THE HOHENFELS
TRAINING AREA BASE OPERATIONS**

The rotational unit will

a. Establish fund cites to reimburse CMTC for MILES batteries, unserviceable training mines and boxes, and scrap or lost class 4 barrier material on a one-for-one basis.

b. Provide a major training area headquarters according to the base operations (BASOPS) standing operating procedures (SOP).

c. Provide the following to BASOPS to ensure there is enough support for the rotation:

(1) MILES liaison officer. An officer or senior NCO familiar with unit rotation schedule, troop list, and home station MILES to resolve MILES-related issues.

(2) Washrack detail to coordinate the use of the CMTC washrack according with the CMTC SOP. The detail requires 12 soldiers and an officer in charge. The officer in charge must be present for the unit to operate the washrack.

(3) The CMTC MP station requires augmentation by seven MPs with an NCO to help with movement control and law enforcement.

d. Be required to provide augmentation by the unit receiving or returning accountable equipment as follows:

(1) During the issue and turn-in of mines, a detail of 10 soldiers and 1 NCO in charge. A forklift will speed operations but is not required.

(2) During the issue and turn-in of MILES, a detail of eight soldiers and one NCO in charge.

(3) During the issue and turn-in of barrier material, a detail of eight soldiers and one NCO in charge.

e. Ensure field medical officers inprocess with the 731st Dispensary Clinic during routine clinic hours.

f. Appoint a safety officer (DA Pam 385-1).

C-13. COORDINATING INSTRUCTIONS

a. Every OC team augmentee will remain at the CMTC under the operational control of the senior OC for the entire brigade rotation. Augmentees will not be switched out.

b. HMMWVs used for OC augmentation will not be "built-up" in any way. If the model of the truck was originally configured with the cargo area canvas, units will remove or roll up the canvas so it does not to hinder vision to the sides or rear.

c. The OPSGP Maintenance Section (Blacksheep) will inspect augmentee vehicles before they are permitted to operate in the CMTC maneuver area.

(1) Vehicles must meet the standards in appropriate -10/-20 technical manuals (no not-mission-capable faults) and AR 385-55 (for example, unserviceable windshield washer motors will deadline a vehicle because of the extremely muddy conditions of the training area).

(2) Blacksheep will provide minor maintenance support and repair parts. They will reject vehicles requiring major repairs or repair parts. Units must repair or replace rejected vehicles. Once Blacksheep accepts a vehicle, they will provide required support (maintenance and repair parts) for the duration of the augmentation period.

d. Brigades will provide one sergeant or staff sergeant (MOS 63B), one specialist or above (MOS 31V), and eight 63B mechanics to augment the CMTC maintenance section. Soldiers will arrive at building 1258 with complete field gear and a mechanics toolbox.

e. Augmentees must report with a cot, field gear, battle dress uniforms, field meal cards, and protective masks, but no weapons.

f. Arrival times and dates for augmentees will be coordinated separately.

g. Units will provide one officer and one NCO with HMMWV and NVGs to act as augmentee officer or NCO in charge. This team will be the point of contact for the OPSGP to coordinate any portion of augmentee support.

**APPENDIX D
AUGMENTATION REQUIREMENTS FOR
NON-ARMORED OR -MECHANIZED BRIGADES****D-1. GENERAL**

a. The exact number of augmentees required for non-armored or non-mechanized brigades will depend on Combat Maneuver Training Center (CMTTC) observer and controller (OC) available strength. OC augmentee requirements may be modified by memorandums of agreement and additional training objectives where requested by rotational units and approved by the Commander, Operations Group (COG).

b. Brigades of non-mechanized forces (such as the Allied Command, Europe, Mobile Force) must augment the Operations Group (OPSGP), CMTTC, to provide for a realistic battlefield and substantive feedback.

D-2. FIELD ARTILLERY OPERATIONS

The following augmentation is required to support field artillery (FA) operations during the rotation:

a. Counterfire Operations.

(1) Two career management field 13-series sergeants.

(2) Soldiers to sustain 24-hour operations throughout the rotation for the fire support tactical air force. This requirement will provide for one noncommissioned officer (NCO) on duty at all times.

b. Fire Direction Centers. Two military occupational specialty (MOS) 13C30 or 13E30 soldiers to serve as firing platoon fire direction center (FDC) OCs. For each additional firing platoon, one MOS 13B40 and one MOS 13C30 or 13E30 soldier will be required to serve as an OC. Each team must have the following:

(1) One high mobility multipurpose wheeled vehicle (HMMWV) (per coordinating instructions).

(2) One AN/VRC-46 radio without secure capability.

(3) One AN/GRA-39 remote set with batteries.

(4) One set of night vision goggles (NVGs) with batteries. NVG training must be noted on the operator's Optional Form (OF) 346 (US Government Motor Vehicle Operator's Identification Card).

(5) One Multiple Integrated Laser Engagement System (MILES) controller gun with green key.

c. Q-36/37 Radar. Two sergeants first class or above, MOS 13R, to provide 24-hour OC coverage for each Q-36/37 radar deployed. Each team must have the following equipment:

(1) One HMMWV (per coordinating instructions).

(2) Two AN/VRC-46 radios. One must have secure capability.

(3) Two AN/GRA-39 remote sets with batteries.

(4) One set of NVGs with batteries. NVG training must be noted on the operator's OF 346.

(5) One MILES controller gun with green key.

(6) Aiming circle.

d. Combat Observation Lasing Team. One sergeant or above, MOS 13F, to provide 24-hour OC coverage for each combat observation lasing team (COLT) deploying. This NCO must have the following equipment:

- (1) HMMWV (per coordinating instructions).
- (2) One AN/VRC-46 radio with secure capability.
- (3) One set of NVGs with batteries. NVG training must be noted on the operator's OF 346.
- (4) One MILES controller gun with green key.
- (5) One AN/PRC-77, complete with batteries, per COLT OC team to support dismounted operations.

e. FA Battalion Survey Section. When the direct support (DS) FA battalion survey section deploys, one survey staff sergeant or sergeant first class (MOS 82C) to provide 24-hour OC coverage with the following equipment:

- (1) HMMWV (per coordinating instructions).
- (2) One AN/VRC-46 radio with secure capability.
- (3) One AN/GRA-39 remote set with batteries.
- (4) One set of NVGs with batteries. NVG training must be noted on the operator's OF 346.
- (5) One MILES controller gun with green key.

f. Multiple-Launch Rocket Systems. Support for participation of multiple-launch rocket system (MLRS), when deployed:

(1) One sergeant first class, MOS 13P40, to provide OC coverage for the MLRS battery operations center. This NCO will support control fire missions and will require the following:

- (a) One HMMWV with dual radio nets (no secure).
- (b) One AN/GRA-39 remote set with batteries.
- (c) One set of NVGs with batteries. NVG training must be noted on the operator's OF 346.

(2) One 13P40 to provide OC coverage for the platoon operations center with the equipment in (3) below.

(3) Three staff sergeants (13M, launcher chiefs) to provide OC coverage for the three M270s (MLRS). Each of these must have the following:

- (a) One HMMWV with an AN/VRC-46 (with secure).
- (b) One AN/GRA-39 remote set with batteries.
- (c) One set of NVGs with batteries. NVG training must be noted on the operator's OF 346.

g. Reinforcing FA Battalion Headquarters. When a reinforcing FA battalion headquarters is deployed instead of an MLRS battery, the following will be required:

- (1) One FA captain to serve as an operations and training officer (S3) OC.
- (2) One FA captain to serve as an intelligence officer (S2) or S3 OC.

- (3) One 13P40 to serve as the reinforcing FA battalion FDC OC.

h. Battalion Maintenance Operations. One maintenance staff sergeant or sergeant first class (63 series) to provide OC coverage to the DS FA battalion maintenance operation. The following equipment is required:

- (1) HMMWV (per coordinating instructions).
- (2) One AN/VRC-46 radio with secure capability.
- (3) One AN/GRA-39 remote set with batteries.
- (4) One set of NVGs with batteries. NVG training must be noted on the operator's OF 346.
- (5) One MILES controller gun with green key.

D-3. AVIATION OPERATIONS

The following equipment, personnel, and fuel will be required to sustain OC aviation operations when the brigade employs Army aviation in support of the rotation:

- a. One OH-58D with left-seat pilot in command (night qualified) to support night operations.
- b. Refuel for OC aircraft.

D-4. BRIGADE OC TEAM AUGMENTATION

Brigade OC team augmentation is required for those elements in a through m below that participate in a CMTC rotation. Each must have an HMMWV with dual radio net capabilities, Hohenfels Training Area (HTA) map, compass, flashlight, NVGs with batteries, and license showing NVG training. These soldiers will be dedicated OCs and may not be assigned duties as players.

a. Electronic Warfare Operations.

- (1) One sergeant first class to provide OC coverage to the electronic warfare (EW) platoon operations center.
- (2) One staff sergeant or above to provide OC coverage for each separately located collector/jammer. When all collector/jammer assets are at one site for the entire rotation, only one OC is required.

b. Military Intelligence.

- (1) One staff sergeant or above to provide OC coverage for each ground surveillance radar (GSR) and remotely employed sensor.
- (2) Two sergeants first class or above to provide OC coverage to the battlefield deception team.
- (3) Two sergeants first class or above to provide OC coverage to the brigade scouts.
- (4) One captain to provide OC coverage to the technical control and analysis element.
- (5) One sergeant first class or above to provide OC coverage to the technical control and analysis element.
- (6) Two warrant officers (counterintelligence technician) to provide OC coverage to counterintelligence teams.

c. Nuclear, Biological, Chemical. One sergeant first class or above to provide OC coverage for each chemical platoon (smoke, reconnaissance, and decontamination).

d. Engineer Operations.

- (1) One captain or first lieutenant to provide OC coverage to the engineer battalion tactical air control and the assistant brigade engineer.

(2) One sergeant first class, MOS 12B, to provide OC coverage to the engineer battalion headquarters and headquarters company (HHC).

(3) One sergeant first class, MOS 12B, to provide OC coverage to the engineer support platoon and the engineer forward stockage point.

e. Air Defense Artillery Operations. The following augmentees will cover critical elements of the Stinger, Hawk, and Avenger platoons:

(1) One sergeant first class or above to provide OC coverage to each Hawk/Avenger firing platoon employed in HTA.

(2) One sergeant first class or above to provide OC coverage to each Stinger section kept under brigade control.

f. Forward Support Battalion.

(1) Two sergeants first class (MOS 92Y) with dual-net HMMWVs and NVGs to provide OC coverage for the forward support battalion (FSB).

(2) One sergeant first class (MOS 91B) and one staff sergeant (MOS 91B) to provide coverage for the FSB with dual-net HMMWVs and NVGs.

(3) One staff sergeant (logistics MOS is immaterial) to provide coverage and track reporting at the FSB with VRC-47 and NVGs.

g. Aviation Augmentation.

(1) One lieutenant to provide attack helicopter OC coverage, if used. This lieutenant must be NVG-current with cavalry or attack helicopter experience.

(2) Two OH-58C pilots-in-command to provide OH-58 OC coverage. These pilots must be NVG-current.

(3) One sergeant with HMMWV and NVGs to serve as the technical inspection supervisor.

(4) Two specialists (MOS 67V) to serve as crew chiefs.

(5) Two OH-58C helicopters.

h. Military Police Platoons. Six staff sergeants (MOS 95B) with dual-net HMMWVs and NVGs to provide OC coverage to two military police (MP) platoons. Four staff sergeants (MOS 95B) with dual-net HMMWVs and NVGs to cover two MP platoons.

i. Special Operations Forces.

(1) One major (MOS 38A) to provide OC coverage to the brigade civil affairs team.

(2) One major (MOS 39B) to provide OC coverage to the brigade psychological operations support element.

(3) Three staff sergeants (MOS 38Z) to provide OC coverage to the three psychological operations loudspeaker teams.

j. Linguists. Six linguists to act as interpreters.

k. Dismounted Infantry Squad. Dismounted infantry squad OC augmentation is required to enable the maneuver OC teams to provide complete coverage at squad level. One sergeant or above is required for each infantry squad, for a total of 27 OCs

for each infantry battalion, and 54 OCs for two infantry battalions during brigade operations. The number of squad OCs may be substantially reduced but at a reduction of tactical flexibility. Each squad OC will bring the following:

- (1) OF 346 that shows qualification for HMMWV. NVG training must be noted on the operator's OF 346.
- (2) One set of NVGs with two sets of batteries.
- (3) One MILES controller gun with green key.
- (4) One AN/PRC-77, complete with two batteries.
- (5) 1:50,000 scale map of HTA and compass.

1. Division Tactical Operations Center. To replicate and support division reporting requirements, the staff augmentation in (1) and (2) below is necessary for the division tactical operations center (DTOC). This support is important because the officers and NCOs provided will directly affect the quality of information, training, and support received during the rotation. These soldiers should be scheduled to remain the entire rotation. They may be replaced only for emergency reasons. Support for these soldiers is the responsibility of the training unit.

(1) Assistant Chief of Staff, G2 (Intelligence), Section. Replicates the collection and analysis section of the assistant chief of staff, G2 (intelligence) (G2), section at division level. These soldiers will develop intelligence summary scripts, respond to unit requests for information, and control EW operations. These soldiers must be Maneuver Control System (MCS)-qualified when the brigade is equipped with MCS.

(a) Three corporals or specialists (MOS 96B) and two staff sergeants or above (MOS 96B) to replicate division intelligence analysts.

(b) One warrant officer (order-of-battle technician) or one lieutenant (MOS 35) to support division intelligence production.

(2) Assistant Chief of Staff, G3 (Operations and Plans), Section.

(a) Four captains (11/54 or 12/54) to replicate the operations section of the division assistant chief of staff, G3 (operations and plans) (G3). They will develop operations orders for and portray flank unit operations. These soldiers must be MCS-qualified when the brigade is equipped with MCS.

(b) Three aviation warrant officers or above are required to operate the CMTC DTOC G3 Air Section on a 24-hour-a-day basis. This group will bring its own organic ground transportation because they must attend to brigade and aviation unit operation orders.

(c) The equipment in 1 through 4 below is required to support MCS or mobile subscriber equipment (MSE) communications for the CMTC DTOC. The following items are necessary only when the training brigade is equipped with MCS or MSE:

1. One small extension node (SEN). The signal organization supporting the rotational unit will ensure the DTOC is linked into the unit's MSE network. This may mean that an SEN is not required.
2. Two reels of WF16 wire. These will be used to connect the DTOC to the SEN.
3. Two telephone numbers in MSE network.
4. One MSE telephone.

m. Communications. The DTOC will control EW operations, but will not permanently possess the necessary communications to do so. The signal unit supporting the rotational unit will provide the CMTC DTOC with point-to-point communications from the EW command and control element to building 100. This requirement includes equipment and batteries to secure both ends of the point-to-point.

D-5. HTA BASE OPERATIONS

a. Brigades will provide the following specific support to the HTA base operations (BASOPS):

(1) Fund cites to reimburse CMTC for MILES batteries, unserviceable training mines and boxes; and scrap or lost class 4 barrier material on a one-for-one basis.

(2) A major training area headquarters according to the BASOPS standing operating procedures (SOP).

(3) To ensure adequate support for the rotation

(a) MILES liaison officer. An officer or senior NCO familiar with unit rotation schedule, troop list, and home station MILES to resolve MILES-related issues.

(b) Washrack detail to coordinate use of CMTC washrack according to the CMTC SOP. The detail will require 12 soldiers and an officer in charge. The officer in charge must be present for the unit to operate the washrack.

(c) Seven MPs with an NCO to augment the CMTC MP Station. These augmentation missions will include movement control and law enforcement operations.

(4) An augmentation by the unit receiving or returning accountable equipment as follows:

(a) During the issue and turn-in of mines, a detail of 10 soldiers and 1 NCO in charge. A forklift will speed operations but is not required.

(b) During the issue and turn-in of MILES, a detail of eight soldiers and one NCO in charge.

(c) During the issue and turn-in of barrier material (class 4), a detail of eight soldiers and one NCO in charge.

(5) One officer and one NCO with a HMMWV and NVGs to act as the augmentee officer and NCO in charge. This team will be the point of contact for the COG to coordinate augmentee support.

b. Field medical officers will inprocess with the CMTC 731st Dispensary Clinic during routine clinic hours.

c. Commanders will ensure that safety procedures are incorporated into every aspect of training according to DA Pamphlet 385-1. A safety officer must be appointed to track accidents and incidents.

D-6. COORDINATING INSTRUCTIONS

a. Every OC team augmentee will remain at the CMTC for the entire rotation. Augmentees will not be switched out; they will be under the operational control of the senior OC.

b. HMMWVs used for OC augmentation cannot be "built-up" in any way. If the model of the truck was originally configured with the cargo area canvas, units will remove or roll up the canvas so it does not hinder vision to the sides or rear.

c. Brigades will provide one sergeant or staff sergeant (MOS 63B), one specialist or above (MOS 31V), and eight

63B mechanics to augment the CMTC maintenance section because of the large number of OC augmentee vehicles. These soldiers will arrive at building 1258 with complete field gear and mechanics toolbox.

d. The OPSGP Maintenance Section (Blacksheep) will inspect augmentee vehicles before they are permitted to operate in the CMTC maneuver area.

(1) Vehicles must meet the standards in appropriate -10/-20 technical manuals (no not-mission-capable faults) and AR 385-55 (for example, unserviceable windshield washer motors will deadline a vehicle because of the extremely muddy conditions of the training area).

(2) Blacksheep will provide minor maintenance support and repair parts. They will reject vehicles requiring major repairs or repair parts. Units must repair or replace rejected vehicles.

(3) Once Blacksheep accepts a vehicle, they will provide required support (maintenance and repair parts) for the duration of the augmentation period.

e. Augmentees must report with cots, field gear, battle dress uniforms, field meal cards, and protective masks, but no weapons.

f. Arrival times and dates for augmentees will be coordinated separately.

APPENDIX E

BLUE FORCE TRAINING UNIT REQUIREMENTS

E-1. TROOP LIST FOR BLUE FORCE TRAINING UNITS

Table E-1 is the troop list for blue force training units. Abbreviations used in the table are explained in the glossary.

E-2. FIELD ARTILLERY DIRECT SUPPORT

a. Limited maneuver space at the Combat Maneuver Training Center (CMTC) and restrictions on use of adjacent maneuver rights areas (MRAs) prohibit deploying a complete direct support (DS) artillery battalion. The DS battalion will be configured with a fully functional headquarters element (intelligence officer (S2), operations and training officer (S3), and fire direction center (FDC)) and be capable of performing tasks in Field Manual 6-20-1 during sustained operations.

(1) Appropriate elements will be on hand to provide for area defense, survey, and nuclear, biological, chemical (NBC) defense.

(2) Units may bring the maximum number of firing batteries shown in table E1; however, only one battery of eight howitzers will be allowed to participate in the exercise at a time. It must operate as a single battery.

(3) The DS battalion may rotate batteries throughout the brigade rotation (for example, one battery per maneuver task force (TF)).

(4) All six platoon FDCs will be deployed. The four FDCs not associated with the firing battery in the maneuver box will be consolidated and simulate notional batteries deployed in the brigade area. The service battery will be deployed to provide normal support; however, only limited feedback will be provided.

b. A reinforcing battalion may be deployed. It must be represented by a fully functional headquarters element (S2, S3, FDC) capable of sustained operations, area defense, and NBC defense. Reinforcing battalions may deploy with the maximum number of FDCs; however, they will be consolidated to simulate notional batteries in the brigade area and only limited feedback will be provided. Units must deploy a reinforcing battalion headquarters to simulate the availability of this supporting artillery.

c. FA units must bring their reinforcing battalion element if it supports the wartime mission. Otherwise, the reinforcing battalion element must be coordinated with the Commander, CMTC, before deployment.

E-3. DIVISION MATERIEL MANAGEMENT CENTER MAIN SUPPORT BATTALION SLICE

Main support battalion (MSB) slice and corps support slice elements will act as division and corps interface elements and provide more realistic and doctrinal support to the forward support battalion (FSB) and brigade. These elements should operate in the MRA at a doctrinal distance from the FSB. Support slices should include class 1, 2, 3, 8, 9; water; graves registration (GRREG); transport, and command and control (C2).

a. Personnel and Equipment.

(1) **Medical.** A patient hold section for up to 20 actual patients requiring 24 through 72 hours on quarters because of minor illness or injury.

(2) **Transportation.** Minimum recommended quantities are as follows:

(a) Nine 22½-ton flatbed semitrailers.

(b) Five 5-ton tractor trucks.

b. Disposition of Personnel and Equipment.

(1) **Class 4.** Two or three stake-and-platform (S&P) trailers with prime movers for transporting barrier materials and mines to TFs.

(2) **Class 5.** Six S&P trailers for full-time storage and transporting boxes replicating the resupply of 25-millimeter (mm), 120-mm, 4.2-inch ammunition, and mines.

E-4. MILESTONES

Table E-2 lists blue force milestones. The glossary explains abbreviations used in table E-2.

E-5. ENHANCED SITUATIONAL TRAINING

EXERCISE TRAINING

Enhanced situational training exercises (STXs) are an excellent opportunity for visiting units to hone warfighting skills before conducting a full-scale rotation. STX training is conducted during "E" days and is designed to allow unit commanders to conduct company-level and below operations. By providing additional opposing force, maneuver area, and observer and controller (OC) support, CMTC can increase the STX training value to rotational units.

a. CMTC responsibilities for enhanced STX include

- (1) Providing enhanced STX packet to the unit 180 days out.
- (2) Providing the finalized STX plan to the OC teams 30 days out.
- (3) Providing the necessary resources according to the training concept (basic reg, para 8).

b. Unit responsibilities include

(1) Providing to the S3, CMTC, a completed STX packet (incl completed matrix and mission graphics) 90 to 75 days out.

(2) Briefing the Commander, Operations Group, on the STX plan, graphics, and orders 60 days out.

Table E-1
Troop List for Blue Force Training Units

Unit	Units Must Bring at Least	Units May Bring Up To
DTAC	0	1
Maneuver brigade		
Brigade HHC (C2)	1	1
Maneuver TF (4 maneuver companies maximum)		
Infantry battalion (mechanized)		
Infantry company	1	3
Armor company	1	3
Armor battalion		
Infantry company	1	3
Armor company	1	3
Division cavalry squadron		
Headquarters troop	0	1
Ground troop	0	3
Air troop	0	2
Aviation unit maintenance troop	0	1
FA (para E-2a and b)		
DS battalion HHB (C2) (para E-2c)	1	1
Service battery	1	1
Firing battery	1	3
FDC	6	6
Reinforcing battalion headquarters	0	1
FDC	0	6
COLT (note 1)	0	6 (2 per TF)
Radars (AN/1PQ-58 or -36) (note 2)	0	2
MLRS platoon	0	1
Air defense artillery		
BSFV platoon	1	1
Stinger platoon	1	1
Scout sensor team	0	2
Engineer		
Engineer battalion	0	1 (note 3)
Combat electronic warfare intelligence		
GSR teams (notes 1 & 4)	2	4
Collectors (note 4)		
Jammers (note 4)		
Technical control analysis element (control cell) white force - two vehicles, M577 (notes 4 & 5)		
CI-IPW team (note 6)	-	-

Table E-1
Troop List for Blue Force Training Units Continued

	Units Must	Units May
--	------------	-----------

Unit	Bring at Least	Bring Up To
NBC (cont)		
Decontamination platoon	1	1
Smoke platoon	1	1
NBC reconnaissance section	0	1
CSS (notes 4 & 7)		
FSB (-)	1	1
Division support command MSB (-)	1	1
Division materiel management center MSB slice (para E-3)	1	1
Signal support (note 4)		
MP (note 4)		
MP platoons	2	2
Civil affairs		
Brigade team	0	2 (note 8)
Psychological operations		
Brigade support element	0	2 (note 8)
Loudspeaker teams	0	6 (note 9)
USAF Support		
Battalion FAC	1	1
Brigade tactical air control party	1	1
Army aviation (note 4)		
Attack helicopter battalion (note 10)	0	1
Weather team (note 11)	1	1

NOTES: 1. The unit must bring fire support OCs for the element. Any increase in COLTs must be approved by the Commander, CMTC.

2. A unit deploying an AN/TPQ-36 radar may deploy a HMMWV with digital capability instead of the radar. The HMMWV will be required to accomplish the missions of the normally deployed radar (incl moving, cueing, surveying, surviving).

3. The second company and battalion headquarters are under brigade control. Non-E-force engineer companies will be limited to three platoons. Engineer battalion headquarters (minus) will be authorized only when the division is structured according to the E-force (USAREUR Reg 350-1). The battalion headquarters will not exceed the personnel or equipment required to support the engineer battalion tactical and main command posts. Personnel are limited to battalion commander, executive officer, S2, S3, S4, communications-electronics staff officer, operations NCO in charge, and associated vehicle drivers.

4. As coordinated at the 180-day conference.

5. Requires a sensitive compartmented information facility request through the supporting special security officer.

6. CI-IPW team needed only during OOTW missions.

7. Full deployment of the BSA will require the brigade's establishment in an MRA outside the CMTC maneuver area.

8. Only one brigade civil affairs team or brigade psychological operations element is authorized per brigade. Because of the overseas deployment training requirements of Reserve organizations, however, a two-team overlap may occur twice during a brigade rotation. A brigade may not use more than one civil affairs or psychological operations support team at one time.

9. Only three loudspeaker teams are authorized per brigade. Because of the overseas deployment training requirements of Reserve organizations, however, an overlap of six teams may occur twice during a rotation. A brigade may not use more than three loudspeaker teams at one time.

10. Units may coordinate for air assault/CSS lift, C2, division artillery support, and EW aircraft when the division's fourth brigade is directed to participate in the exercise with a planning and coordination section.

11. The weather team must have enough observers and forecasters to provide

a. Full weather support to the tactical ground-controlled approach requirement when the CMTC weather station is closed.

b. Downwind chemical messages and general forecast support for CMTC operations.

Table E-2
Blue Force Milestones

Time in Days	Event	Responsibility
-200	Prerotation letter sent	OPSGP
-180	Enhanced STX packet given to unit	OPSGP
	Prerotation visit to unit (note 1)	OC team
	Overview of CMTC functions	OPSGP
	METL tasks identified	Unit
	BLUFOR units identified	Unit
	Division TACSOP provided	Unit
	CMTC requirements due to 7ATC	OPSGP
-160	Division training letter with initial troop list provided	Unit
-140-135	Finalized troop list provided	Unit
	Augmentee coordination instructions sent	OPSGP/Unit
	Unit augmentee requirements identified to corps (note 2)	Unit
-120	MRA requests finalized and turned in	Unit
	BASOPS conference at CMTC	OPSGP/Unit
	DD Form 448 (MIPR) due to 7ATC	Unit
-90-75	Completed STX plan with graphics and matrix turned in	Unit
	IPR (staff) CMTC, division, corps	OPSGP/Division
-75	Corps tasker sent to units	Corps
-60	Brigade STX orders graphics briefed to CMTC	Unit
	Rotation brief to CG by COG (note 3)	OPSGP
-30	OPLAN sent to unit	OPSGP
	STX plan sent to OC team	OPSGP
	Warlord orders and graphics turned in	Brigade
D-day	Arrive at CMTC. Division, brigade, and CMTC CSMs meet	OPSGP/Unit
D1-D3	Warlord simulation exercise	OPSGP/Unit
D3	Motor pool link-up. Move to STX.	OC team/Unit
E1-E5	Enhanced STX (note 4)	OC team/Unit
E5	Move into maneuver box	OC team/Unit
X1-X10	Exercise Days	All
R1-R3	Redeploy	Unit

NOTES: 1. Attendees for the prerotation briefing should include the division commander, ADC, and G3.
2. The parent unit must provide OCs for any asset not part of the troop list (table E-1) that was approved by the COG unless support was requested at least 135 days before the first D-day.
3. The scenario portion of the briefing will be given only to the division commander, ADC, chief of staff, and G3.
4. Enhanced STX for TFs when not in overlap. Follow-on TFs will not use entire box or receive OPFOR if "X" days are ongoing.

**APPENDIX F
OPPOSING FORCE TANK FLEET MAINTENANCE****F-1. GENERAL**

This appendix defines the maintenance concept for Combat Maneuver Training Center (CMTC) M60A3 tanks.

a. M60A3 tanks are interim opposing force (OPFOR) tanks. They will be replaced by a standard OPFOR surrogate (substitute) or another series tank (for example, M1 tank). M60A3 tanks will be maintained only to the minimum level required to meet OPFOR mission and safety standards.

b. When maintenance is beyond the capability of the Seventh Army Training Command (7ATC), tanks will be turned in to the 21st Theater Army Area Command (21st TAACOM) or 200th Materiel Management Center (Theater Army) (200th MMC (TA)) for storage. Turn-in will be pending a determination as to whether or not repair is required to ensure the fleet lasts until a replacement OPFOR tank fleet is fielded.

F-2. RESPONSIBILITIES

a. The Deputy Chief of Staff, Logistics, USAREUR, will issue maintenance policy and perform general staff supervision.

b. The Commander, 21st TAACOM, will

(1) Store unserviceable and ready-for-issue M60A3 tanks.

(2) Fund and perform care of supplies in storage maintenance on serviceable and unserviceable tanks.

(3) Fund deprocessing and preservation of M60A3 tanks held by the theater in support of the OPFOR project.

(4) Accept turn-in of unserviceable tanks from the CMTC and store them until the item manager at 200th MMC (TA), in coordination with 7ATC, directs repair.

c. The Commander, 200th MMC (TA), will

(1) Manage, account for, and control storage, issue, and turn-in of M60A3 tanks held in reserve for the CMTC.

(2) Establish a maintenance program for the M60A3 fleet that includes

(a) Ensuring the M60A3 tank remains on the theater maintenance priority list at the appropriate priority.

(b) Coordinating the repair of tanks turned in by the CMTC, as required.

(c) Retaining M60A3-unique repair equipment and class 9 repair parts that are in theater reserve or operational project stocks for the CMTC.

(d) Maintaining a repair program for M60A3 components.

(3) Establish and manage a class 9 repairable repair program in support of the Regional Supply Support Activity (RSSA), 7ATC. This program will include repair of maintenance repair codes (MRCs) H (general support (GS)), D (depot), and L (special repair activity) coded items when within capability, and backup repair of MRCs O (unit) and F (direct support (DS)) coded items.

(4) Obtain disposition instructions for tanks that are not economically repairable or that are beyond the repair capability of 21st TAACOM.

d. The Commander, 7ATC, will

(1) Maintain M60A3 tanks to the OPFOR mission- capable standard, perform DS-level and below maintenance, and repair components for return to the RSSA.

(2) Program and provide funding for repair of M60A3 tanks returned to 21st TAACOM or 200th MMC (TA) because repair was beyond CMTC maintenance capability.

(3) Ensure the RSSA has an M60A3 authorized stockage list (ASL) that includes repairable exchange items.

(4) Ensure the CMTC installation materiel maintenance activity (IMMA) has established shop and bench stocks.

(5) Ensure excess class 9 items are turned in to 200th MMC (TA) and not turned in to the wholesale system under standard supply procedures.

(6) Fund removal and transportation of components from unserviceable, uneconomically repairable tanks when ultimate disposition is demilitarization or the Defense Reutilization and Marketing Office.

F-3. MAINTENANCE POLICY

a. Issue.

(1) Tanks initially will be issued in supply condition code A (serviceable, issuable without limitation or restriction), code B (serviceable, issuable with qualification), or technical manual (TM) -10/-20 standards.

(2) On issue, tanks will become the property of 7ATC.

(3) Repaired tanks (for example, tanks turned in to 200th MMC (TA) by 7ATC because repair is beyond CMTC maintenance capability) will be reissued only in OPFOR mission-ready condition. Tanks will not be at fully mission-capable or TM -10/-20 standards.

b. End-Item Maintenance. Tanks will be maintained to the OPFOR mission-capable standard. OPFOR maintenance standard includes

(1) Repair of correctable faults on subsystems and components essential to OPFOR mission accomplishment (subsystems and components that must be fully operational for successful accomplishment of OPFOR mission (table F-1).

(2) Preventive maintenance checks and scheduled services (PMCS) on subsystems and components essential to OPFOR mission accomplishment. Tanks will be enrolled in the Army Oil Analysis Program.

(3) Repair of faults and PMCS on subsystems and components essential for safe operation of the tank.

c. Class 9 Repairable (MRCs O, F, H, D, and L) Maintenance.

(1) Maintenance will include repair, within capability, of

(a) Items with MRCs O, F, and H.

(b) Items with MRC D or L when the maintenance allocation chart lists unit-, DS-, or GS-level repair tasks.

(2) Repairables that are beyond 7ATC repair capability will be turned in to the supporting supply support activity.

d. Class 9 Supply Support.

(1) Unserviceable class 9 repairables will be sent to supporting maintenance activities for classification and, when repairable, repair and return to stock.

(2) The Standard Army Supply System will be used for ASL replenishment and nonstockage list repair parts requests.

(3) The CMTC IMMA may perform controlled exchanges of components on unserviceable tanks. The IMMA will reinstall unserviceable components on tanks before turn-in.

e. Turn-In.

(1) Turn-in will be a property book supply transaction (for example, a tank is removed from the CMTC property book and returned to the 200th MMC (TA) book).

(2) The standard for turn-in will be "as is, complete."

(3) Tanks being turned in will be inspected at the turn-in point to determine condition code, estimated cost to repair, and capability of 21st TAACOM to perform the repair.

(4) Turn-in documentation will include DA Form 2404 (Equipment Inspection and Maintenance Worksheet) indicating the major faults for turn-in and showing those unserviceable repair parts that have been reinstalled on the tank.

f. GS End-Item Repair.

(1) Condition code F (unserviceable, repairable) tanks will be placed in storage until a determination by the Commander, 200th MMC (TA), (with the Commander, 7ATC) that a repair program is necessary. The determination will be based on the number of serviceable tanks remaining in the fleet, the rate at which tanks are being used up, and the number of years the fleet must last.

(2) When needed, a maintenance and repair program for tanks will be developed and implemented as follows:

(a) Repair of tanks will be only to OPFOR mission-capable standard.

(b) Tanks will be repaired using the 21st TAACOM Reimbursable End-Item Repair Program. The 7ATC will fund the repair program.

g. Disposition. When final disposition of uneconomically repairable tanks is demilitarization or turn-in to the Defense Reutilization and Marketing Office, the 21st TAACOM (with the 200th MMC (TA)) will cannibalize the tanks and give the serviceable components to the CMTC.

Table F-1**Turret Items Maintained by the CMTC Installation Materiel Maintenance Activity**

Accumulator assembly, main	Hatch assembly, loaders
Accumulator assembly, manual elevation	Lead, turret power relay
Actuator assembly, superelevation	Light control source, M105D telescope
Backlash assembly, traverse	Lock assembly, cupola
Box assembly, network	Lock assembly, traverse gearbox
Box assembly, shutoff stabilization	Lock, turret traverse
Box distribution, control selector, stabilization	Manifold, traverse assembly stabilization
Box, turret power relay and circuit breaker	Motor, electric power pack, 10 horsepower
Breech assembly	Motor, hydraulic gearbox
Clamp, elevation interference switch	NO-BAK assembly, transverse gearbox
Closing components, breech	Operating components, breech
Control assembly gunners	Panel assembly, cupola
Control box, gunners	Power pack control assembly
Control handle, commanders, manual	Pump assembly, manual elevation
Control unit, gunners XM21	Rate sensor assembly, stabilization
Controller unit, stabilization	Ring assembly, turret electrical contact
Domelights	Seat assembly, commanders, swing
Drive, turret, manual traverse	Seat assembly, commanders
Elevating mechanism assembly	Seat assembly, gunners
Elevation manifold assembly, stabilizer	Switch assembly, loaders safety
Gearbox assembly, azimuth, cupola	Tank thermal sight, AN/VSG-2
Gearbox, traversing turret	Test set, turret electrical system
Hanger assembly, M105KID	Wiring harness, gunners control box
Harness, wiring turret control	Wiring harness, vehicle TTS interface
Hatch assembly, cupola	

NOTES: 1. Maintenance will be conducted according to the appropriate TM.

2. Hull and powertrain maintenance is limited to mission capability and crew and operational safety items.

APPENDIX G
WARLORD BATTLE SIMULATION

G-1. REQUIREMENT

Brigade-size units will fight with at least one or two task forces (TFs) in the maneuver box and one or two TFs in Warlord simulation. Divisions will ensure TFs are scheduled for Warlord. TFs will be deployed in Warlord adjacent to the unit in the maneuver box. Priority of planning is scheduling TFs so that they make the transition from Warlord into the maneuver phase of the Combat Maneuver Training Center (CMTC).

G-2. ORDERS AND GRAPHICS

Brigades will produce brigade orders and graphics for Warlord. These products are required at least 30 days before the start of the rotation.

G-3. TRAINING

TFs taking part in Warlord will require 1 day of training in the simulation center and 2 days of fighting in a maneuver battle.

G-4. PERSONNEL AND EQUIPMENT

TFs scheduled to fight in Warlord will provide at least the personnel and equipment in table G-1.

- a. TFs that rotate through Warlord will receive staff Army Training and Evaluation Program (ARTEP) credit.
- b. A prerotation packet will provide information for specific coordination at the CMTC and the format for unit data base input to the Warlord Simulation Center.
- c. Observer and controller (OC) coverage will be provided for each TF rotating through Warlord.

Table G-1
Player Requirements

Training Audience Personnel		
Command Group	Tactical Operations Center	Administrative and Logistic Operations Center
Battalion commander* Battalion S3* Air liaison officer* FSO* Engineer*	Battalion executive officer S2 NCO* Assistant S3* S3 Air Assistant operations NCO NBC NCO Fire support NCO	S1 Medical platoon leader Personnel staff NCO S4 S4 NCO
Other tactical operation center and administrative and logistic operations center personnel required for 24-hour operations.		
Equipment		
Command Group	Tactical Operations Center	Administrative and Logistic Operations Center
Commander's fighting vehicle S3 fighting vehicle	S3 M577 S2 M577 FSO M577 Engineer M577 (optional)	S4 M577 RATT M577
HMMWV, when required, for coordination.		
Role Players		
Company team commanders* Company executive officer or first sergeant Company fire support team leaders (with digital message device)* Air defense artillery platoon leader (and training audience)* Scout platoon leader* Heavy mortar platoon leader*		
NOTES: 1. Asterisk indicates primary attendees for afteraction reviews. 2. Abbreviations are explained in the glossary.		

**APPENDIX H
OBSERVER AND CONTROLLER AUGMENTEE
CERTIFICATION PROGRAM**

H-1. GENERAL

All augmentee observer and controller (OC) personnel will undergo a 4day, onsite certification program at the Combat Maneuver Training Center (CMTTC). Instruction will include classroom and hands-on training. The program will provide instruction to ensure the standardization of OCs for each rotation.

H-2. OC INSTRUCTION

a. The instruction will include the following major areas:

- (1) Complex battlefield.
- (2) General OC duties.
- (3) Rules of engagement (ROE) and ROE implemen-tation.
- (4) Safety.

b. The instruction will be carried out by Python USAREUR Leader Training Program personnel and will include night driving and familiarization with the maneuver box area.

H-3. AUGMENTEE RESPONSIBILITIES

Augmentees must show up with the proper equipment (incl a fully functioning, recently-inspected high mobility multi-purpose wheeled vehicle (HMMWV) and night observation devices (PVS5 or PVS7)). Any augmentee who fails the instruction in paragraph H-2 will not be allowed to be an OC and will be returned to his or her unit. Units without OC coverage will not participate in the rotation. OC augmentees will report by D2; instruction will begin on E1. The last day of training is for final testing and specific OC team orientation.

APPENDIX I
AFTERACTION REVIEWS

I-1. MANEUVER TASK FORCE AFTERACTION REVIEW

Maneuver task force (TF) afteraction reviews (AARs) will be conducted after each TF mission.

a. Mandatory attendees are

- (1) Commander.
- (2) Executive officer.
- (3) Adjutant (S1) or supply officer (S4).
- (4) Intelligence officer (S2).
- (5) Operations and training officer (S3).
- (6) Company commanders.
- (7) Engineer commander.
- (8) Scout platoon leader.
- (9) Mortar platoon leader.
- (10) Fire support officer (FSO).
- (11) Command sergeant major (CSM).
- (12) Air defense artillery platoon leader.
- (13) Signal officer.
- (14) Chemical officer.
- (15) Chaplain.
- (16) Maintenance officer.
- (17) Medical platoon leader.
- (18) Military police (MP) platoon leader.

b. Recommended, but not mandatory attendees, are

- (1) Commander, Operations Group (COG), CMTC.
- (2) Brigade commander.
- (3) Commanding general (CG) or assistant division commander (ADC).

c. Attendees, if mission requires, are

- (1) Staff judge advocate (SJA).
- (2) Psychological operations augmentees.
- (3) Counterintelligence (CI) officer or noncommissioned officer (NCO).
- (4) Direct support (DS) battery commander.
- (5) Civil affairs officer or NCO.
- (6) Air liaison officer.

I-2. TF COMBAT SERVICE SUPPORT AAR

A formal TF combat service support (CSS) AAR will be conducted after each TF rotation. An informal interim AAR will be conducted in the field in mid-rotation.

a. Mandatory attendees are

- (1) Commander.
- (2) Executive officer.
- (3) CSM.
- (4) S1.
- (5) S4.
- (6) Chaplain.
- (7) Battalion motor officer.
- (8) Battalion motor technician.
- (9) Medical platoon leader or medical operations officer.
- (10) Company commanders and first sergeants.
- (11) Special platoon sergeants.
- (12) Engineer company first sergeant.
- (13) Brigade S1 or S4.
- (14) Forward support battalion (FSB) commander, S3, or support operations officer.
- (15) Supply sergeants or motor sergeants.
- (16) Company executive officers.

b. Recommended, but not mandatory attendees, are

- (1) Division commander.
- (2) ADC (Support).
- (3) Brigade commander.
- (4) Division CSM.
- (5) Brigade CSM.
- (6) Motor sergeants.

I-3. FIRE SUPPORT AAR

Fire support AARs will be conducted after each TF rotation.

a. Mandatory attendees are

- (1) DS battalion commander.
- (2) DS battalion S2.
- (3) DS battalion S3.
- (4) DS battalion fire direction officer.
- (5) Battery commander.
- (6) TF commander.
- (7) Executive officer.
- (8) TF S2.
- (9) TF S3.
- (10) TF FSO.
- (11) TF fire support NCO.
- (12) Company commanders.
- (13) Company fire support teams.
- (14) Scout platoon leader.
- (15) Mortar platoon leader.
- (16) Combat observation lasing teams.
- (17) Engineer company commander.
- (18) Multiple-launch rocket system (MLRS) battery commander.

(19) Aviation battalion commander.

b. Recommended, but not mandatory attendees, are

(1) Division commander.

(2) ADC (Maneuver).

(3) ADC (Support).

(4) Brigade commander.

(5) Division artillery commander.

(6) Supporting engineer battalion commander.

I-4. AVIATION AAR

Aviation AARs will be conducted after each TF mission.

a. Mandatory attendees are

(1) Aviation battalion commander.

(2) Aviation battalion S1.

(3) Aviation battalion S2.

(4) Aviation battalion S3.

(5) Aviation battalion S4.

(6) Aviation battalion FSO.

(7) Aviation battalion company commanders.

(8) Primaries from aircrews.

(9) Primaries from attached aircrews.

(10) Aviation liaison officer.

(11) Aviation maintenance company commander.

(12) Aviation production control officer.

(13) Aviation quality control officer.

(14) Aviation flight operations assistant S3.

b. Recommended, but not mandatory attendees, are

(1) Aviation battalion CSM.

- (2) Air liaison officer.
- (3) Complete aircrews.
- (4) Maneuver TF representative.

I-5. BRIGADE AAR

Brigade AARs will be conducted at the end of each brigade rotation.

a. Mandatory attendees are

- (1) Brigade commander.
- (2) Brigade executive officer.
- (3) Brigade CSM.
- (4) S1.
- (5) S2.
- (6) S3.
- (7) S4.
- (8) Civil affairs officer.
- (9) Engineer battalion commander.
- (10) Fire support coordinator.
- (11) Air liaison officer.
- (12) Air defense artillery battery commander.
- (13) Military intelligence liaison officer.
- (14) Chemical officer.
- (15) Signal officer.
- (16) Support battalion commander or signal program officer.
- (17) Chaplain.
- (18) MP platoon leader or commander.
- (19) Brigade scout platoon leader.
- (20) CG or ADC.
- (21) TF commanders.

(22) Vampire 07.

(23) Mustang 07.

b. Recommended, but not mandatory attendees, are

(1) Assistant chief of staff, G1 (personnel).

(2) Assistant chief of staff, G2 (intelligence).

(3) Assistant chief of staff, G3 (operations and plans).

(4) Assistant chief of staff, G4 (logistics).

(5) Engineer brigade commander.

(6) Division artillery commander.

(7) Aviation brigade commander.

(8) Special operations augmentees.

I-6. BRIGADE SUPPORT AAR

Brigade support AARs will be conducted for each TF rotation. The FSB commander will conduct a final AAR at the end of the brigade rotation.

a. Mandatory attendees are

(1) FSB commander.

(2) FSB executive officer.

(3) FSB CSM.

(4) FSB S1.

(5) FSB S2.

(6) FSB S3.

(7) FSB S4.

(8) FSB support operations officer.

(9) FSB company commanders and first sergeants.

(10) Brigade S1.

(11) Brigade S4.

(12) Brigade surgeon.

(13) Maneuver TF headquarters and headquarters company (HHC) commander.

- (14) Headquarters and headquarters battery (HHB) commander.
- (15) Engineer company commander.
- (16) Air defense artillery officer or NCO.
- (17) MP platoon leader.
- (18) Signal detachment officer or NCO.
- (19) TF maintenance support representative.
- (20) Ambulance platoon leader.
- (21) Treatment platoon leader.
- (22) Shop officer.
- (23) Ground support platoon leader.
- (24) Armaments platoon leader.
- (25) Supply platoon leader.
- (26) Maintenance support chiefs.
- (27) TF battalion maintenance officer.
- (28) Chemical representative.

b. Recommended, but not mandatory attendees, are

- (1) Division support command commander.
- (2) FSB chaplain.

I-7. COMPANY AAR

Company AARs will include the following personnel:

a. Mandatory attendees are

- (1) Company commander.
- (2) Executive officer or first sergeant.
- (3) Platoon leaders.
- (4) Platoon sergeants.
- (5) Company fire support team leader.

(6) Appropriate attachments. When the company had an attached or operational control engineer or air defense artillery unit for that mission, the senior leader from the attachment will attend.

b. Recommended, but not mandatory attendees, are

- (1) Civil affairs officer or NCO.
- (2) CI officer or NCO.
- (3) Translator.
- (4) Psychological operations officer or NCO.

APPENDIX J

SAMPLE COMBAT MANEUVER TRAINING CENTER ROTATION SCHEDULE

Table J-1 is a sample maneuver training center rotation schedule. The glossary explains abbreviations used in the table.

Table J-1 Sample Rotation Schedule			
Phase	Title	Days	Event
D1-D3	Deployment	1 through 3	OC briefings Deploy Draw MILES II/SAWERF Instrument-up and ensure connectivity Draw class 4 and class 5 items Conduct pre-combat checks Prepare to move Warlord simulation train-up (1 day) Warlord exercise begins
E1-E5	STX (notes 1 & 2)	4 through 8	STX (platoon and company) typical missions: Obstacle breaching Hasty attack Deliberate attack Defend in sector Defend a battle platoon
X1-X10	Exercise days	9 through 18	Full CTC exercise
R1-R3	Redeployment	19 through 21	Final AAR (unit conducted) Instrumentation turn-in Training area maintenance Redeployment
D = Deployment E = STX X = Exercise evaluation (in box) R = Redeployment			
NOTES: 1. During brigade rotations, the TF will execute enhanced STXs (use of entire "box") when scheduling permits. When TFs overlap, however, STX training will be conducted only in Charlie South for the TF not conducting its exercise in the box. 2. Units will execute company- and platoon-level missions during STXs. Missions involving two or more companies will not be executed during STX. During enhanced STX, a TF will receive one motorized rifle company (10 BMPs and 3 T-80s) for OPFOR support. Each lane will have one OC assigned that will provide feedback to the training company or platoon. STX lanes will receive full tactical air control support when coordinated with OCs (instrumented company AARs, when possible). Units must coordinate for STX 120 days before their first deployment day and submit an STX plan to the COG 90 days in advance.			

APPENDIX K
CIVILIANS ON THE BATTLEFIELD AUGMENTEE CERTIFICATION PROGRAM

K-1. GENERAL

Augmentee civilians on the battlefield (COBs) will undergo a 3-day, onsite, certification program at the Combat Maneuver Training Center (CMTTC). This training will be a centralized instruction program that includes classroom and hands-on training. The program provides instruction to ensure COB performance meets CMTTCs high standards for each rotation.

K-2. INSTRUCTION

a. The instruction will include the following major areas:

- (1) Area study.
- (2) Combat battle instructions.
- (3) Environmental safety.
- (4) Role-play.
- (5) Rules of engagement (ROE).
- (6) Safety.

b. The instruction will be carried out by the Operations Group COB Cell and will include familiarization with the maneuver box area.

K-3. CLOTHING

COB augmentees must report with the correct seasonal field uniform (incl load-bearing equipment, Kevlar helmet, protective mask, and sleeping bag). Augmentees also must bring their own footwear, gloves, and appropriate undergarments. The COB team will provide civilian clothing, weapons, vehicles, and props. Although civilian clothing will be provided, augmentees are encouraged to bring their own clothing to supplement those provided.

APPENDIX L
HERO OF HOHENFELS AWARD PROGRAM

L-1. ELIGIBILITY

The Hero of Hohenfels Award Program gives special recognition to USAREUR active duty soldiers (privates through staff sergeants, warrant officers, and lieutenants)

- a. Who demonstrated outstanding military performance while their unit was at the Combat Maneuver Training Center (CMTC).
- b. Whose efforts significantly contributed to the success of the unit's mission at the CMTC.

L-2. RESPONSIBILITIES

- a. The command sergeant major (CSM) of each area support group and USAREUR separate major command (USAREUR Reg 10-5) will establish criteria, policy, and procedures for selecting awardees. The brigade commander or CSM will approve awards. Where no brigade exists, the next higher commander will be the approval authority.
- b. The division or separate brigade commander or CSM will present the Hero of Hohenfels medallion and an AE Form 672-5-1A (Certificate of Achievement) signed by the soldier's brigade or battalion commander at a suitable ceremony.
- c. The Commander, Seventh Army Training Command (7ATC), will
 - (1) Fund, procure, stock, and issue the medallions.
 - (2) Establish, display, and update a Hero of Hohenfels Book of Honor. The Hero of Hohenfels Book of Honor will include the narratives of soldiers who have received the Hero of Hohenfels award.

L-3. PROCEDURES

- a. Commanders may nominate up to six soldiers per battalion task force (TF) rotation, including soldiers in combat support (CS) and combat service support (CSS) units. Nominations will be sent through command channels to the approval authority within 3 workdays after the unit returns to its home station (HS). Nominations will describe (in narrative) the soldier's performance at the CMTC. Nominations will be sent by memorandum (fig L-1).
- b. When nominations are approved, the approval authority will send approved soldiers' narratives to the Commander, 7ATC, CMR 415, APO AE 09114.
- c. The Certificate of Achievement (AE Form 672-5-1A) is the mechanism for placing a Hero of Hohenfels award in a soldier's personnel file. Unit commanders will ensure that copies of soldiers' Hero of Hohenfels certificates are sent to the soldiers' servicing personnel service company for inclusion in their files.

L-4. WEARING THE AWARD

Wearing the medallion on an Army uniform is authorized during the award ceremony and while the wearer is attending any meeting or function honoring Hero of Hohenfels award recipients.

DEPARTMENT OF THE ARMY
5TH BATTALION, 68TH ARMOR
UNIT 12345
APO AE 09086

AEUTV-C (672)

23 June 1994

MEMORANDUM FOR COMMANDER, 3D BRIGADE, UNIT 28019, APO AE 09112

SUBJECT: Nomination for Hero of Hohenfels Award

1. Recommend Sergeant Franklin Doe, 123-45-6789, be awarded the Hero of Hohenfels Award.

2. The following is provided in support of the nomination:

a. Unit, command, APO: B Co, 5/68th Armor, 8th Inf Div, Unit 12345, APO AE 09086.

b. Date of rank: 11 May 1993.

c. Expiration of term of service: 11 May 1996.

d. Date eligible for return from overseas: 11 May 1995.

e. Length of service: 3 years, 4 months.

f. Duty assignment: tank crewman.

g. Primary military occupational specialty: 19E.

h. Number of months in current job: 15.

3. Enclosed is a narrative describing this soldier's outstanding duty performance at the Combat Maneuver Training Center.

4. Point of contact is CSM Finefellow, 380-6843/7313.

Encl

BRIAN J. SMITH
Lieutenant Colonel, AR
Commanding

Figure L-1. Sample Nomination for the Hero of Hohenfels Award

APPENDIX M
AFTERACTION REPORTS

Commanders will use the format in figure M-1 to prepare afteraction reports.

Part I: Executive Overview.	(2) Discussion.
a. Mission/objectives.	(3) Lessons learned.
b. General description.	(4) Recommended action.
c. Participating units (incl specific information) such as	(5) Comments.
(1) Troop list.	b. Tactical lessons learned, to include
(2) Number of personnel who participated.	(1) Command and control.
(3) Number and type of vehicles used.	(2) Maneuver (offense/defense).
(a) Required task organization (must coincide with the current modification table of organization and equipment, broken down by vehicle type, unit requirement, and unit shipped).	(3) Fire support.
(b) Optional and added units (broken down by vehicle type, unit requirement, and unit shipped).	(4) Intelligence.
d. Significant issues.	(5) Air defense.
e. Limitations.	(6) Mobility/countermobility.
f. Funding.	(7) Electronic warfare.
(1) Personnel transportation (type and cost).	(8) Nuclear, biological, chemical defense.
(2) Total vehicle transportation cost.	(9) Combat service support.
(3) Total cost reimbursed to the Combat Maneuver Training Center (CMTC).	c. Administrative and logistic lessons learned (incl deploying to, training at, and redeploying from the CMTC).
Part II: Lessons Learned. Lessons learned will be stated as	d. General narrative comments, to include
a. General.	(1) Benefits of training at the CMTC.
(1) Observation.	(2) Recommendations for doctrinal improvement.
	(3) Recommendations and lessons learned on preparatory training.
	(4) Recommendations for improving the training exercise.

***Figure M-1. Format for Afteraction Reports**

***This format will be used only as a guide, it will not be printed, reproduced, or stocked.**

**APPENDIX N
RIGHT-SEAT AND OPPOSING FORCE RIDE
PROGRAMS**

**SECTION I
RIGHT-SEAT RIDE PROGRAM**

N-1. GENERAL

a. The Combat Maneuver Training Center (CMTC) Right-Seat Ride Program provides USAREUR officers and noncommissioned officers the opportunity to observe their counterparts perform under combat conditions. The goal is to learn from the experience of others by observing from the unique perspective of the observer and controller (OC).

b. The Right-Seat Ride Program is mainly for primary staff, company-level commanders, and maneuver and combat support platoon leaders. It also may be used to familiarize scout platoon leaders and platoon sergeants with CMTC operations before their assignments with scout platoons.

N-2. COORDINATION

a. V Corps, Berlin Brigade, and the United States Army Southern European Task Force and 5th Theater Army Area Command may participate in the program.

b. The units in a above may participate in the program only when they have units in rotation. For example, V Corps personnel may participate only when a V Corps unit is in rotation.

c. Positions and numbers of "right seats" available for each OC team are subject to change.

d. At least 2 months before the first task force (TF) rotation, the units in a above should contact the Operations and Training Officer (S3), CMTC, for the number of available right seats. Then, each of the three units (a above) will consolidate their right-seat requests and fax them to the S3, CMTC, at least 2 weeks before the first TF rotation.

e. Units are responsible for transporting participants to and from CMTC. Participants will meet the OCs at the OC team headquarters. Meeting times will vary with the mission. Times and locations will be determined when the unit point of contact coordinates with CMTC.

N-3. SUPPORT REQUIREMENTS

a. Because participants will stay in the field with the OC the entire time, clothing and gear should be appropriate to

the season. Helmet and load-bearing equipment is required. When participants are participating in the program ("right-seating") for more than 1 day, a cot and sleeping bag is recommended.

b. The S3, CMTC, will coordinate right-seating. The S3 telephone numbers are 466-4458/4459/4488; and the fax number is 466-2419.

SECTION II

OPPOSING FORCE RIDE PROGRAM

N-4. OPPOSING FORCE RIDE PROGRAM, GENERAL

a. The Opposing Force (OPFOR) Ride Program was established to give USAREUR units the opportunity to learn and understand OPFOR doctrine and tactics used at the CMTC.

b. Unlike the OC Right-Seat Ride Program, OPFOR Ride places battalion leadership directly into a motorized rifle platoon, company, and battalion OPFOR vehicle to get an enemy view of the CMTC battlefield. Additionally, intelligence officer, S3, and fire support office staff personnel can "shadow" OPFOR staff counterparts during battle tracking in the regimental tactical operations center (RTOC).

N-5. COORDINATION

a. Units should request OPFOR ride through the S3, CMTC, at least 1 month before the desired date.

b. Units may send a maximum of eight riders per mission.

c. Billeting, if required, may be requested through the S3, 282d Base Support Battalion.

N-6. SUPPORT REQUIREMENTS

a. Each unit is responsible for its own meals.

b. The uniform for riders includes individual Multiple Integrated Laser Engagement System (MILES) and MILES halo; stripped kevlar helmet; and non-battle dress uniform top olive drab green parka, cold or wet weather parka, or poncho (olive green).

c. The S3, CMTC, will coordinate OPFOR rides. The S3 telephone numbers are 466-4458/4459/4488; and the fax number is 466-2419.

GLOSSARY

SECTION I

ABBREVIATIONS

21st TAACOM	21st Theater Army Area Command
200th MMC (TA)	200th Materiel Management Center (Theater Army)
7ATC	Seventh Army Training Command
AAR	afteraction review
ACE	Army combat earthmover
ADC	assistant division commander
ADCSOPS-T	Assistant Deputy Chief of Staff, Operations (Training), USAREUR
ALOC	administrative and logistic operations center
AR	Army regulation
ARNG	Army National Guard
ARTEP	Army Training and Evaluation Program
ASL	authorized stockage list
ATP	ammunition transfer point
BASOPS	base operations
BLUFOR	blue force
BSA	brigade support area
BSC	battle simulation center
BSFV	Bradley/Stinger fighting vehicle
C2	command and control
CAC	Combined Arms Command
CFX	command field exercise
CG	commanding general
CI	counterintelligence
CI-IPW	counterintelligence-interrogation of prisoner of war
CMTC	Combat Maneuver Training Center
COB	civilians on the battlefield
CofS	Chief of Staff, HQ USAREUR/7A
COG	Commander, Operations Group, CMTC
COLT	combat observation lasing team
CPA	Chief, Public Affairs, USAREUR
CS	combat support
CSM	command sergeant major
CSS	combat service support
CTC	combat training center
DA	Department of the Army
DCSHNA	Deputy Chief of Staff, Host Nation Activities, USAREUR
DCSOPS	Deputy Chief of Staff, Operations, USAREUR
DPA	Director, Public Affairs, Seventh Army Training Command
DPTMS	director of plans, training,

	mobilization, and security
DS	direct support
DTOC	division tactical operations center
EW	electronic warfare
FA	field artillery
FAC	forward air controller
FDC	fire direction center
FM	field manual
FORSCOM	United States Army Forces Command
FSB	forward support battalion
FSO	fire support officer
FTX	field training exercise
G1	assistant chief of staff, G1 (personnel)
G2	assistant chief of staff, G2 (intelligence)
G3	assistant chief of staff, G3 (operations and plans)
G4	assistant chief of staff, G4 (logistics)
GOEC	general officer executive committee
GOSG	general officer steering group
GRREG	graves registration
GS	general support
GSR	ground surveillance radar
GTA	Grafenwöhr Training Area
HHB	headquarters and headquarters battery
HHC	headquarters and headquarters company
HIC	high-intensity conflict
HIMAD	high-to-medium altitude air defense
HMMWV	high mobility multipurpose wheeled vehicle
HQDA	Headquarters, Department of the Army
HQ USAREUR/7A	Headquarters, United States Army, Europe, and Seventh Army
HS	home station
HTA	Hohenfels Training Area
IMMA	installation materiel maintenance activity
IPR	inprogress review
ITAM	Integrated Training Area Management
km	kilometer
KPUP	Key Personnel Upgrade Program
LTA	local training area
MAO	Maneuver Affairs Office, CMTC
MCA	Military Construction, Army
MCS	Maneuver Control System
MDEP	management decision package
METL	mission-essential task list
MICLIC	mine-clearing line charge
MILES	Multiple Integrated Laser Engagement System

MIPR	Military Interdepartmental Purchase Request (DD Form 448)
MLRS	multiple-launch rocket system
mm	millimeter
MMDR	Master Maneuver Damage Report (AE Form 350-22D-R)
MOS	military occupational specialty
MOU	memorandum of understanding
MOUT	military operations in urban terrain
MP	military police
MRA	maneuver rights area
MRC	maintenance repair code
MSB	main support battalion
MSE	mobile subscriber equipment
MTA	major training area
MTC	MOUT Train-the-Trainer Course
MTT	mobile training team
NBC	nuclear, biological, chemical
NCO	noncommissioned officer
NVG	night vision goggles
OC	observer and controller
ODCSOPS	Office of the Deputy Chief of Staff for Operations and Plans, HQDA
OF	optional form
OOTW	operations other than war
OPFOR	opposing force
OPLAN	operations plan
OPSGP	Operations Group, CMTC
PCS	permanent change of station
PMCS	preventive maintenance checks and scheduled services
POC	point of contact
POM	program objective memorandum
RATT	radio teletypewriter
ROE	rules of engagement
ROM	refuel on the move
RPMA	real property maintenance activity
RSSA	Regional Supply Support Activity, 7ATC
RTOC	regimental tactical operations center
S1	adjutant
S2	intelligence officer
S3	operations and training officer
S4	supply officer
SAWE-RF	simulated area weapons effect-radio frequency
S&P	stake and platform
SEN	small extension node
SJA	staff judge advocate
SOP	standing operating procedures
STX	situational training exercise
TACSOP	tactical standing operating procedure

TADSS	training aids, devices, simulators, and simulations
TEWT	tactical exercise without troops
TF	task force
THP	take-home package
TM	technical manual
TOC	tactical operations center
TRADOC	United States Army Training and Doctrine Command
ULTP	USAREUR Leader Training Program
USAF	United States Air Force
USAFE	United States Air Forces in Europe
USAMC	United States Army Materiel Command
USAREUR	United States Army, Europe
USNAVEUR	United States Naval Forces, Europe

SECTION II

TERMS

capstone event

Defined in USAREUR Regulation 350-1.

combat multipliers

Defined in Field Manual 101-5-1.

density

A prescribed type of unit training period for a specific length of time at a designated location.

maneuver box

Also referred to as "the box". An area designated for maneuver exercises. An exercise area.

NET COM +1

No earlier than change of mission plus 1 hour.

rotation

Defined in Field Manual 25-101, appendix D.

seamless battlefield

In simulation, where users do not perceive a difference between the simulation and the actual battle.

slice

The part of a combat arms, combat support, and combat service support unit that supports maneuver force.